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WATER RESOURCES OF COLORADO

Appendix No. 4

CANAL DIVERSION DATA
OF
COLORADO

Volume II

DENVER, COLORADO
AUGUST, 1939

Colorado State Planning Commission

Water Conservation Board

State Engineer

Water Resources of Colorado

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Denver, Colorado
August, 1939

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PREFACE AND ACKNOWLEDGMENT

The Water Resources Survey, first sponsored in February, 1936, by the State Planning Commission and later jointly by the Commission and the Colorado Water Conservation Board, has compiled basic data which are being used to prepare a master report on the water resources of Colorado.

The work has been carried on with the aid of a Works Progress Administration Project under the direction of competent engineers and the general supervision of the Planning Commission, the Water Conservation Board and the State Engineer.

Basic data, too voluminous to be included in the master report, are published in the form of appendices as follows:

- Appendix No. 1 - Climatological Data of Colorado.
- Appendix No. 2 - Data on Stream Gaging Stations of Colorado.
- Appendix No. 3 - Stream Flow Data of Colorado.
- Appendix No. 4 - Canal Diversion Data of Colorado.
- Appendix No. 5 - Statistics of Irrigated Crops.

This appendix consists of canal diversion data which have been taken from various records on file in the office of the State Engineer, and from records of private canal and municipal water companies. The co-operation and assistance of each of these organizations is appreciated and gratefully acknowledged.

Colorado State Planning Commission
Water Conservation Board
State Engineer

INDEX

	<u>Pages</u>
INTRODUCTION	i - v
<u>SUMMARIES OF TOTAL DIVERSIONS FROM THE ARKANSAS RIVER BY RIVER SECTIONS, BESSEMER CANAL HEADGATE TO HOLLY, COLORADO.</u>	
<u>Discussion</u>	1- 2
Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.	3- 8
Total Diversions By Ditches, Pueblo to Nepesta, Colorado.	9- 15
Total Diversions By Ditches, Nepesta to La Junta, Colorado.	16- 22
Total Diversions By Ditches, La Junta to Lamar, Colorado.	23- 24
Total Diversions By Ditches, Lamar to Holly, Colorado.	25- 26
<u>DIVERSIONS BY INDIVIDUAL CANALS, BESSEMER CANAL HEADGATE TO HOLLY, COLORADO, 1912-1938.</u>	
<u>Bessemer Canal Headgate to Pueblo, Colorado.</u>	
Bessemer Canal	27- 32
West Pueblo Ditch	33- 34
Pueblo Waterworks (North Side)	35- 36
Pueblo Waterworks (South Side)	37- 38
<u>Pueblo to Nepesta, Colorado.</u>	
Booth-Orchard Grove Ditch	39- 40
Excelsior Ditch	41- 46
Collier Ditch (1926-1938)	47
Colorado Canal	
Discussion of Operation	48- 48b
Diversion Tables	49- 54
Exchange Water	55- 56
Rocky Ford Highline Canal	57- 62
Oxford Farmers Canal	63- 68
<u>Nepesta to La Junta, Colorado.</u>	
Otero Canal	69- 74
Catlin Canal	75- 80
Lake (Holbrook) Canal	
Discussion of Operation	81- 82
Diversion Tables	83- 88
Exchange Water	89- 90

INDEX (Continued.)

Nepesta to La Junta, Colorado (Continued).

Rocky Ford Canal	91- 92
Irrigating and Storage (Fort Lyon Storage) Canal	93- 94
Fort Lyon Canal	
Discussion of Operation	95- 96
Diversion Tables	97-103
Kicking Bird Canal	104-105

La Junta to Lamar, Colorado.

Jones (Las Animas Consolidated) Ditch	106-107
Town Ditch of West Las Animas (Las Animas Town)	108-109
Colorado and Kansas (Fort Bent) Canal	110-111
Keesee Canal	112-113
Amity Canal	114-119
Lamar Canal	120-121

Lamar to Holly, Colorado.

Hyde Ditch	122-123
Manvil (Manvel) Canal	124-125
X-Y Irrigating Ditch Company's Ditch	126-127
Graham Ditch	128-129
Buffalo Creek Ditch	130-131
Sisson-Stubbs Ditch	132-133

STORAGE CONTENT ON THE FIRST OF THE MONTH FOR RESERVOIRS UNDER THE COLORADO AND HOLBROOK CANAL SYSTEMS BELOW PUEBLO, COLORADO.

Colorado Canal System.

Lake Henry	134
Lake Meridith	135

Holbrook Canal System.

Holbrook Reservoir	136
Dye Lake	137

DIAGRAMS

- Plate -1- Diagram Showing Location of and Distances Between
Ditches From the Arkansas River.
Water Districts No's. 14 and 17. Inside Back Cover
- Plate -2- Diagram Showing Location of and Distances Between
Ditches From the Arkansas River.
Water District No. 67. Inside Back Cover

INTRODUCTION - VOLUME 11

Daily records of canal diversions from the Arkansas River are available for the year 1904 and from 1906 to the present time. From 1911 to date these records cover the entire calendar year, but previous to 1911 they include only the May to September period. The data are in the form of daily reports by the Division Engineer, Irrigation Division No. 2, to the State Engineer of Colorado, and in general represent once-a-day readings taken from the official measuring devices maintained on the canal. The various Water Commissioners collect the diversion information from the observers each morning by phone, and relay it to the office of the Arkansas Valley Ditch Association by phone or telegraph. The records are then published daily by the Arkansas Valley Ditch Association for general distribution among the water users and other interested persons. These reports will be hereinafter referred to as A.V.D.A. reports.

The records have been tabulated and summarized in daily and monthly form from 1912-1932, by the State Engineer's Office, and from 1933-1938, by the Colorado State Planning Commission, Water Resources Survey, and form the basis for most of the tables.

✓ From 1922-1925, a "Co-operative Investigation on the Arkansas River and Certain Tributaries" was carried out by H.D. Amsley, under the joint auspices of the State Engineer, the Arkansas Valley Protective Association and the Arkansas Valley Ditch Association. The findings of this investigation are embodied in four volumes of the "Amsley Report", on file in the office of the Colorado State Engineer. This report probably contains the most accurate data available for the years 1922-1925, and has been used as a source of diversion records in preference to the A.V.D.A. reports or other sources during those years.

INTRODUCTION - VOLUME 11 (Continued)

Three rather complicated canal systems - the Colorado Canal, the Lake (Holbrook) Canal and the Fort Lyon Canal - have been treated briefly in the text so that their operation, as well as the reasons for special treatment in this volume, might be more easily understood. The source of data for diversion quantities for these canals, as well as the explanations of their operations, will be found on pages 48-48b, 81-82 and 95-96, prefacing respectively the detailed tables for each of the three canals.

A tabulation of the names of all canals and ditches, in downstream order as treated in this volume, together with the official who reported the daily readings, the period for each kind of record and the source of each, is as follows:

<u>NAME OF CANAL OR DITCH</u>	<u>*REPORTED BY</u>	<u>PERIOD</u>	<u>SOURCE</u>
Bessemer Canal	R	1912-1921 1922-1925 1926	A.V.D.A. Reports. Amsley Report. Computed From Automatic Recorder Charts.
		1927-1938	A.V.D.V. Reports.
West Pueblo Ditch	R	1912-1938	A.V.D.A. Reports.
Pueblo Waterworks(North Side)	A	1912-1938	A.V.D.A. Reports.
Pueblo Waterworks(South Side)	A	1912-1938	A.V.D.A. Reports.
Booth-Orchard Grove Ditch	R	As for Bessemer Canal.	
Excelsior Ditch	R	As for Bessemer Canal.	
Collier Ditch	R	1912-1926	A.V.D.A. Reports.
Colorado Canal	R	1912-1921 1922-1925 1926-1938	A.V.D.A. Reports. Amsley Report. A.V.D.A. Reports. (See Special Sheets, Pages 48-48b.)
Rocky Ford Highline Canal	C	As for Bessemer Canal.	
Oxford Farmers Canal	C	As for Bessemer Canal.	

INTRODUCTION - VOLUME 11 (Continued)

<u>NAME OF CANAL OR DITCH</u>	<u>*REPORTED BY</u>	<u>PERIOD</u>	<u>SOURCE</u>
Otero Canal	C	As for Bessemer Canal.	
Catlin Canal	C	As for Bessemer Canal.	
Lake (Holbrook) Canal	C	1912-1921 A.V.D.A.Reports. 1922-1925 Amsley Report. 1926-1938 A.V.D.A.Reports. (See Special Sheets, Pages 81-82.)	
Rocky Ford Canal	C	As for Bessemer Canal.	
Irrigating and Storage (Fort Lyon Storage) Canal	-	See Special Sheets, Pages 95-96.	
Fort Lyon Canal	-	See Special Sheets, Pages 95-96.	
Kicking Bird Canal	-	See Special Sheets, Pages 95-96.	
Jones (Las Animas Consolidated)Ditch	C	As for Bessemer Canal.	
Town Ditch of West Las Animas (Las Animas Town)	C	As for Bessemer Canal.	
Colorado and Kansas (Fort Bent)Canal	C	As for Bessemer Canal.	
Keesee Canal	M	1912-1921 A.V.D.A.Reports. 1922-1925 Amsley Report. 1926-1938 A.V.D.A.Reports.	
Amity Canal, Direct Water	M	As for Bessemer Canal.	
Amity Canal, Reservoir Water	M	1912-1921 Amity Canal Co. Records. 1922-1925 Amsley Report. 1926-1938 Amity Canal Co. Records.	
Lamar Canal	M	1912-1921 A.V.D.A.Reports. 1922-1925 Amsley Report. 1926 Computed from AutomaticRecorder Charts. 1927-1938 A.V.D.A.Reports.	
Hyde Ditch	M	As for Lamar Canal.	
Manvil (Manvel) Canal	M	As for Lamar Canal.	
X-Y Irrigating Ditch Company's Ditch	M	As for Lamar Canal.	
Graham Ditch	M	As for Lamar Canal.	

INTRODUCTION - VOLUME 11 (Continued)

<u>NAME OF CANAL OR DITCH</u>	<u>*REPORTED BY</u>	<u>PERIOD</u>	<u>SOURCE</u>
Buffalo-Creek Ditch	M	As for Lamar Canal.	
Sisson-Stubbs Ditch	M	1912-1921 A.V.D.A.Reports. 1922-1925 Amsley Report. 1926-1938 A.V.D.A.Reports.	

* R - Joseph Russ, Water Commissioner District No. 14, Pueblo.

* A - Acting Engineer for Superintendent of Plant, Pueblo.

* C - S.W. Cressy, Water Commissioner District No. 17, Rocky Ford,
(Deceased.)

* M - Robert McGrath, Water Commissioner District No. 67, Lamar.

The A.V.D.A. reports record one daily reading noting the gage height and the corresponding diversions for all canals except the Amity and Fort Lyon, for which both A.M. and P.M. readings are reported. The diversions published in the reports were taken to represent the mean daily diversion except where qualifying notes were made in the report regarding a change of rate and the time at which such change took place. In such cases the recorded diversion was adjusted for the proper intervals. Likewise the same procedure was followed when notes appeared on the face of the daily reports correcting errors in previous publications. Where, in minor instances, ditches were noted as "No Report", the missing figures were supplied from the Water Commissioner's field books, when available, or were estimated. Estimates are largely interpolations of one or a few days of missing record where the diversions preceding and following the missing quantities were quite constant.

Since the original data were based on reports of one daily reading, the amount of work necessary to convert all second-foot-day quantities to acre-feet by the usual conversion factor of 1.983471 was not justified. In this volume all second-foot-day quantities were converted into acre-feet by multiplying by two.

During the years, 1922-1925, covered by the Amsley Report, automatic

INTRODUCTION - VOLUME 11 (Continued)

recorders were installed on all ditches and the computed results were embodied in the Amsley Report, heretofore mentioned. In order to have all acre-feet quantities comparable, the total second-foot-day quantities from the report were also multiplied by two rather than the usual factor given above.

A comparative study made of the diversions by the Colorado Canal and the Holbrook Canal, as taken both from the A.V.D.A. reports and from the Amsley reports, indicates that there is little difference between the two in the final result for concurrent periods, though slight differences do exist in individual months. This might be taken as a rather good indication that in general the reports of the A.V.D.A., while taken from once-a-day readings, still maintain a very serviceable degree of accuracy for water supply studies.

All diversion quantities published in this volume refer to the reported headgate diversion of the various canals or to the quantity of water released from storage and measured at their headgates. Anyone using such data should therefore bear in mind that such quantities do not indicate the actual amount of water delivered to the lands. Especially in the case of long canals, seepage and evaporation consume considerable quantities of water in transit from the point of diversion to the point of use.

Included inside the back cover are two diagrams which give a graphical picture of the relative location of ditches, as well as certain data concerning decrees and the operation of the systems. Plate 1 includes ditches in Water District No's. 14 and 17, and Plate 2, those in Water District No. 67, diverting water from the main stem of the Arkansas River.

DISCUSSION - SUMMARIES OF TOTAL DIVERSIONS FROM THE ARKANSAS RIVER BY RIVER SECTIONS, BESSEMER CANAL HEADGATE TO HOLLY, COLORADO - 1912-1938.

GENERAL:

The tables appearing on pages 1 to 26, inclusive, show the total diversions by canals for various river sections on the Arkansas River from the Bessemer Canal headgate to Holly, Colorado, near the state line. The tables have been included to serve as a basis for inflow-outflow studies, wherein the total diversions as shown in these tables represent the total amount of water reported to have left the river for direct irrigation and for storage in off-stream reservoirs. In instances where exchange water affected the river section, it has been taken into account, being a "minus" to the river in the section where it was diverted and a "plus" to the river in the section where an equal amount of storage (exchange) water was released to the river. (See pages 48-48b and 81-82.)

DETAILED SECTIONS:

1. Bessemer Canal Headgate to Pueblo, Colorado.

This summary shows all direct-flow and reservoir water leaving the river, except for "Minor Canals" as reported by the A.V.D.A. from 1912-1926, with an estimated diversion of 30 acre-feet each day throughout the year. All reservoir water is from up-stream sources.

2. Pueblo to Nepesta, Colorado.

This summary shows all water leaving the river, from all sources, including: A, river water used for direct irrigation and river water diverted to storage in Lakes Meridith and Henry; B, water diverted from up-stream reservoirs and from transmountain sources; C and D, water diverted from the river by the Colorado Canal in exchange for Lake Meridith (C) and Holbrook Reservoir and Dye Lake (D) water which is returned to the river in the section from Nepesta to La Junta; and E, total diversions from the river equals A plus B plus C plus D.

The Amsley report for 1922 estimates that an amount of water aggregating about 40,000 acre-feet per annum is returned to the river below Pueblo from the Pueblo sewer and the Colorado Fuel and Iron Company's waste, neither of which have been included in this volume since data concerning their discharge are not available.

3. Nepesta to La Junta, Colorado.

Total Diversions include the following types of water: A, river water used for direct irrigation and river water diverted to storage in Holbrook Reservoir and Dye Lake, as well as river water diverted to storage by the Fort Lyon Storage Canal and by the Kicking Bird Canal; B, water diverted from up-stream reservoirs and from transmountain sources; C, total diversions from all sources, equaling A plus B; D, water returned to the river from Lakes Meridith and Dye and Holbrook Reservoir in exchange for diversions by the Colorado Canal in the Pueblo-Nepesta section; E, total amount leaving the river in this section, equaling C minus D.

4. La Junta To Lamar, Colorado.

Since all canals in this section divert only direct-flow water, the quantities in this table represent the total amount of Arkansas River water taken through the main headgates for use on the lands. The Amity Canal, which heads on the Arkansas River in the section, does receive reservoir water from the Great Plains system of reservoirs, but this water has no effect upon the total diversions from the river in this river section. Actually, the original source of supply for the Great Plains system is the Kicking Bird Canal, whose operation is discussed together with the Fort Lyon Canal on pages 95 to 96.

5. Lamar to Holly, Colorado.

As for the section from La Junta to Lamar, discussed above, all water diverted in this section is direct-flow water which goes directly to the land. Quantities in the tables thus represent the gross amount of water taken through the canal headgates for direct irrigation.

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

From Arkansas River. Values in 1,000 Acre-Feet.		Headgate Locations: Arkansas River.										Source of Information: See Introduction and pages 1-2.	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1912													
Direct	4.02	5.48	7.34	7.77	10.27	17.27	18.87	10.30	6.39	3.76	5.11	5.55	74.63
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4.02	5.48	7.34	7.77	10.27	17.27	18.87	10.30	6.39	3.76	5.11	5.55	74.63
1913													
Direct	4.40	4.03	6.39	6.03	6.74	15.22	8.96	7.46	6.80	5.12	5.66	3.60	56.33
Reservoir	0	0	0	0	0	0	0.28	0.98	0	0	0	0	1.26
Total	4.40	4.03	6.39	6.03	6.74	15.22	9.24	8.44	6.80	5.12	5.66	3.60	57.59
1914													
Direct	5.28	5.34	5.23	5.25	18.71	13.79	21.16	13.98	6.08	3.36	4.89	3.69	82.33
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5.28	5.34	5.23	5.25	18.71	13.79	21.16	13.98	6.08	3.36	4.89	3.69	82.33
1915													
Direct	3.60	4.82	5.81	9.92	13.79	14.90	13.85	15.66	7.06	3.33	5.97	4.31	78.51
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.60	4.82	5.81	9.92	13.79	14.90	13.85	15.66	7.06	3.33	5.97	4.31	78.51
1916													
Direct	2.71	5.33	5.74	5.86	11.08	19.62	12.38	11.24	9.20	3.72	3.62	3.78	73.10
Reservoir	0	0	0	0	0	0	0	1.04	0	0	0	0	1.04
Total	2.71	5.33	5.74	5.86	11.08	19.62	12.38	12.28	9.20	3.72	3.62	3.78	74.14

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1917</u>														
Direct	3.07	2.51	5.30	5.56	7.19	13.34	15.23	7.09	6.67	3.77	4.60	4.29	58.85	78.62
Reservoir	0	0	0	0	0.15	0	0	1.84	1.56	0	0	0	3.55	3.55
Total	3.07	2.51	5.30	5.56	7.34	13.34	15.23	8.93	8.23	3.77	4.60	4.29	62.40	82.17
<u>1918</u>														
Direct	2.85	3.37	7.21	6.55	7.41	18.64	11.95	7.44	6.63	4.77	4.96	3.23	63.39	85.01
Reservoir	0	0	0	0	0.24	0.14	0.03	3.23	1.02	0.02	0	0	4.68	4.68
Total	2.85	3.37	7.21	6.55	7.65	18.78	11.98	10.67	7.65	4.79	4.96	3.23	68.07	89.69
<u>1919</u>														
Direct	3.89	4.02	6.73	13.20	13.02	16.95	12.78	10.87	7.77	4.91	2.83	2.94	79.50	99.91
Reservoir	0	0	0	0	0.01	0	0	0	0.90	0	0	0	0.91	0.91
Total	3.89	4.02	6.73	13.20	13.03	16.95	12.78	10.87	8.67	4.91	2.83	2.94	80.41	100.82
<u>1920</u>														
Direct	3.84	7.18	8.24	5.65	10.64	20.96	18.79	14.82	7.45	4.47	3.25	2.77	82.78	108.06
Reservoir	0	0	0	0	0	0	0.01	0	0	0	0	0	0.01	0.01
Total	3.84	7.18	8.24	5.65	10.64	20.96	18.80	14.82	7.45	4.47	3.25	2.77	82.79	108.07
<u>1921</u>														
Direct	4.24	7.88	7.92	6.63	8.27	2.04	4.32	10.30	9.78	3.60	1.61	1.50	44.94	68.09
Reservoir	0	0	0	0	0.80	0	0	0	0	0	0	0	0.80	0.80
Total	4.24	7.88	7.92	6.63	9.07	2.04	4.32	10.30	9.78	3.60	1.61	1.50	45.74	68.89

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
1922													Oct.	Seasonal.
Direct	1.60	7.45	7.85	7.45	7.88	19.74	8.33	9.93	6.99	3.35	3.80	4.70	63.67	89.07
Reservoir	0	0	0	0	0.36	0	1.02	0.73	0.12	0	0	0	2.23	2.23
Total	1.60	7.45	7.85	7.45	8.24	19.74	9.35	10.66	7.11	3.35	3.80	4.70	65.90	91.30
1923														
Direct	5.98	4.38	5.74	6.22	8.66	21.04	13.61	7.84	2.70	7.20	2.57	3.75	67.27	89.69
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5.98	4.38	5.74	6.22	8.66	21.04	13.61	7.84	2.70	7.20	2.57	3.75	67.27	89.69
1924														
Direct	1.97	3.88	7.08	11.52	18.65	16.21	8.22	7.17	6.57	4.09	3.45	3.97	72.43	92.78
Reservoir	0	0	0	0	0	0	0	4.08	0	0	0	0	4.08	4.08
Total	1.97	3.88	7.08	11.52	18.65	16.21	8.22	11.25	6.57	4.09	3.45	3.97	76.51	96.86
1925														
Direct	2.71	6.06	6.94	6.30	8.11	8.16	12.58	11.47	7.49	4.77	5.72	3.10	58.88	83.41
Reservoir	0	0	0	0	1.00	0	0	0	1.59	0	0	0	2.59	2.59
Total	2.71	6.06	6.94	6.30	9.11	8.16	12.58	11.47	9.08	4.77	5.72	3.10	61.47	86.00
1926														
Direct	4.13	3.90	5.98	9.26	10.40	17.00	13.02	7.64	5.76	5.29	3.71	4.88	68.37	90.97
Reservoir	0	0	0	0	0	0	0	3.11	0	0	0	0	3.11	3.11
Total	4.13	3.90	5.98	9.26	10.40	17.00	13.02	10.75	5.76	5.29	3.71	4.88	71.48	94.08

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1927														
Direct	4.31	5.23	5.92	6.04	6.95	18.13	13.99	5.46	5.97	4.55	1.42	3.66	61.09	81.63
Reservoir	0	0	0	0	1.52	0	0	0.54	0.45	.0	0	0	2.51	2.51
Total	4.31	5.23	5.92	6.04	8.47	18.13	13.99	6.00	6.42	4.55	1.42	3.66	63.60	84.14
1928														
Direct	3.36	5.38	5.91	6.05	13.89	18.09	12.02	7.25	6.68	4.68	2.96	4.39	68.66	90.66
Reservoir	0	0	0	0.35	0.32	0	1.21	2.23	0.28	0	0	0	4.89	4.89
Total	3.36	5.38	5.91	6.40	14.21	18.09	13.23	9.48	6.96	4.68	2.96	4.39	73.55	95.55
1929														
Direct	3.41	3.66	5.87	6.80	7.89	16.12	10.98	13.95	11.33	6.63	2.62	3.42	73.10	92.08
Reservoir	0	0	0	1.40	0.47	0	0.53	0	0	0	0	0	2.10	2.10
Total	3.41	3.66	5.87	7.95	8.36	16.12	11.51	13.95	11.33	6.63	2.62	3.42	75.20	94.18
1930														
Direct	2.86	4.72	5.58	6.44	6.75	11.77	9.85	11.99	5.80	5.98	1.73	2.62	58.55	76.06
Reservoir	0	0	0	1.80	0	0	2.13	0	0	0	0	0	3.53	3.53
Total	2.86	4.72	5.58	7.81	6.75	11.77	11.98	11.99	5.80	5.98	1.73	2.62	62.08	79.59
1931														
Direct	2.70	5.89	5.80	6.42	9.44	9.54	7.01	5.56	5.16	5.07	3.29	3.57	47.86	69.11
Reservoir	0	0	0	1.31	0	0.63	2.32	0.96	0	0	0	0	5.51	5.51
Total	2.70	5.89	5.80	7.73	9.44	10.17	9.33	6.52	5.16	5.07	3.29	3.57	53.37	74.62

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr. -	
<u>1932</u>													Oct.	Seasonal.
Direct	3.62	4.65	5.22	6.18	6.98	6.81	9.29	7.73	6.51	5.05	4.14	3.08	48.55	69.26
Reservoir	0	0	0	0	0	0	2.61	0.50	0	0	0	0	3.11	3.11
Total	3.62	4.65	5.22	6.18	6.98	6.81	11.90	8.23	6.51	5.05	4.14	3.08	51.66	72.37
<u>1933</u>														
Direct	2.83	3.97	5.90	5.71	8.68	14.70	8.48	8.20	7.05	5.05	4.91	5.51	57.87	80.99
Reservoir	0	0	0	0	0	0	0.57	1.00	0.05	0	0	0	1.62	1.62
Total	2.83	3.97	5.90	5.71	8.68	14.70	9.05	9.20	7.10	5.05	4.91	5.51	59.49	82.61
<u>1934</u>														
Direct	4.17	5.19	5.73	6.10	7.04	6.59	5.65	6.47	5.34	4.14	4.89	4.41	41.33	65.72
Reservoir	0	0	0	0	0	0.75	1.27	0	0	0	0	0	2.02	2.02
Total	4.17	5.19	5.73	6.10	7.04	7.34	6.92	6.47	5.34	4.14	4.89	4.41	43.35	67.74
<u>1935</u>														
Direct	4.93	4.98	5.85	4.42	8.04	17.05	10.48	7.24	6.55	5.15	1.10	2.41	58.93	78.20
Reservoir	0	0	0	0	0	0	1.68	2.84	0	0	0	0	4.52	4.52
Total	4.93	4.98	5.85	4.42	8.04	17.05	12.16	10.08	6.55	5.15	1.10	2.41	63.45	82.72
<u>1936</u>														
Direct	5.17	3.13	6.16	5.91	13.32	14.90	8.78	10.75	6.40	5.65	2.80	3.54	65.71	86.51
Reservoir	0	0	0	0.52	0.03	0	3.16	2.72	0.66	0	0	0	7.09	7.09
Total	5.17	3.13	6.16	6.43	13.35	14.90	11.94	13.47	7.06	5.65	2.80	3.54	72.80	93.60

****Total Diversions By Ditches, Bessemer Canal Headgate to Pueblo, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1937</u>														
Direct	3.44	3.66	6.05	6.32	10.37	10.37	7.58	7.39	7.37	6.22	1.52	4.48	55.62	74.77
Reservoir	0	0	0	0.78	0.08	0.99	2.23	2.17	0	0	0	0	6.25	6.25
Total	3.44	3.66	6.05	7.10	10.45	11.36	9.81	9.56	7.37	6.22	1.52	4.48	61.87	81.02
<u>1938</u>														
Direct	4.03	5.08	5.92	6.17	8.08	22.03	11.27	8.18	9.833	5.39	1.47	5.71	70.95	93.16
Reservoir	0	0	0	0	0	0	0.43	3.07	0.57	0	0	0	4.07	4.07
Total	4.03	5.08	5.92	6.17	8.08	22.03	11.70	11.25	10.40	5.39	1.47	5.71	75.02	97.23
Maximum	5.98	7.88	8.24	13.20	18.71	22.03	21.16	15.66	11.33	7.20	5.97	5.71	82.79	108.07
Minimum	1.60	2.51	5.22	4.42	6.74	2.04	4.32	6.00	2.70	3.33	1.10	1.50	43.35	67.74
Mean	3.67	4.86	6.27	7.07	10.12	14.94	12.18	10.53	7.20	4.78	3.50	3.81	*66.82	*88.93

* Sum of Mean Months.

**Includes the following ditches: Bessemer, West Pueblo, Pueblo Water Works (North Side) and Pueblo Water Works (South Side). Does not include "Minor Canals" as reported during the period 1912-1926.

****Total Diversions By Ditches, Pueblo to Nepesta, Colorado.
1912 to 1938**

From Arkansas River.
Values in 1,000 Acre-Feet.

Source of Information:
See Introduction and Pages 1-2.

Headgate Location: Arkansas River

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
														Oct.	Seasonal.
<u>1912</u>	A	12.23	12.42	10.33	6.79	15.15	55.20	32.14	19.42	7.46	7.78	7.59	9.44	143.94	196.25
	B	0	0	0	0	8.52	0	4.48	5.50	0	0	0	0	18.50	18.50
	C	0	0	0	0	0.38	0	1.86	0.40	0.39	0.54	0	0	3.57	3.57
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	12.23	12.42	10.33	6.79	24.05	55.20	38.48	25.32	7.85	8.32	7.89	9.44	166.01	218.32
<u>1913</u>	A	13.55	8.16	6.61	4.84	7.68	21.25	14.62	6.04	6.85	6.90	5.59	9.08	68.18	111.17
	B	0	0	0	0	8.81	2.71	7.32	3.86	0	0	0	0	22.70	22.70
	C	0	0	0	0	1.78	0	1.01	0.74	0.13	0	0	0	3.66	3.66
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	13.55	8.16	6.61	4.84	18.27	23.96	22.95	10.64	6.98	6.90	5.59	9.08	94.54	137.53
<u>1914</u>	A	10.24	10.13	6.11	6.94	49.72	34.95	43.15	27.75	7.13	8.72	8.87	7.62	178.36	221.33
	B	0	0	0	0	0	0	0	7.19	0	0	0	1.41	7.19	8.60
	C	0	0	0.30	0.50	0	0	0.96	0.99	0.53	0	0	0	2.98	3.28
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	10.24	10.13	6.41	7.44	49.72	34.95	44.11	35.93	7.66	8.72	8.87	9.03	188.53	233.21
<u>1915</u>	A	5.82	10.41	11.30	16.37	24.53	35.47	28.24	29.10	11.75	8.37	8.75	11.03	153.83	201.14
	B	0	0	0	0	0	0	2.55	0	1.47	0	0	0	4.02	4.02
	C	0	0	0	0	0	0	8.70	3.73	0.82	2.06	0.36	0	15.31	15.67
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	5.82	10.41	11.30	16.37	24.53	35.47	39.49	32.83	14.04	10.43	9.11	11.03	173.16	220.83

**Total Diversions By Ditches, Pueblo to Nepesta, Colorado.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1916</u>														
A	5.77	6.54	6.90	8.44	12.81	31.33	13.52	19.95	9.99	6.90	8.43	10.32	102.94	140.90
B	0	0	9.10	0	0	6.87	10.70	9.73	0.13	0.53	0	0	27.96	37.06
C	0	0	0	0.32	9.65	1.48	0.32	0	0	0	0	0	11.77	11.77
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	5.77	6.54	16.00	8.76	22.46	39.68	24.54	29.68	10.12	7.43	8.43	10.32	142.67	189.73
<u>1917</u>														
A	12.28	9.50	5.14	4.24	10.58	51.52	31.86	9.05	11.22	7.48	8.16	8.82	125.95	169.85
B	0	0	0	0	0.67	1.13	5.04	4.89	2.51	0.17	0.30	0.30	14.41	15.01
C	0	0	0	0.40	6.34	1.57	2.40	0.55	0	0	0	0	11.26	11.26
D	0	0	0	0	0	0	0	2.14	0	0	0	0	2.14	2.14
E	12.28	9.50	5.14	4.64	17.59	54.22	39.30	16.63	13.73	7.65	8.46	9.12	153.76	198.26
<u>1918</u>														
A	9.18	7.37	5.03	6.90	7.29	57.08	23.54	6.03	8.63	8.01	8.04	10.47	117.48	157.57
B	0	0	0	0	3.88	0.22	5.64	8.29	5.06	0.69	1.07	0	23.78	24.85
C	0	0	0	0.44	5.35	0.60	2.25	1.72	0	0	0	0	10.36	10.36
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	9.18	7.37	5.03	7.34	16.52	57.90	31.43	16.04	13.69	8.70	9.11	10.47	151.62	192.78
<u>1919</u>														
A	7.13	10.75	7.40	18.19	27.03	18.76	17.20	19.17	9.22	7.16	10.12	14.18	116.73	166.31
B	0	0	0	0	0	0	5.90	6.01	0	0.40	0.40	0	12.31	12.71
C	0	0	0	0	8.04	9.08	2.97	0.21	0	0	0	0	20.30	20.30
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	7.13	10.75	7.40	18.19	35.07	27.84	26.07	25.39	9.22	7.56	10.52	14.18	149.34	199.32

****Total Diversions By Ditches, Pueblo to Nepesta, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
<u>1920</u>													
A	11.59	11.18	5.17	5.14	16.23	53.08	30.62	26.56	14.88	8.34	20.94	14.72	154.85
B	0	0	0	1.22	0	0	0	8.86	1.44	0	0	0	11.52
C	0	0	0.13	0.19	4.40	1.00	7.92	2.11	0.41	0.70	0	0	16.73
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E	11.59	11.18	5.30	6.55	20.63	54.08	38.54	37.53	16.73	9.04	20.94	14.72	183.10
													246.83
<u>1921</u>													
A	14.56	7.98	10.80	8.07	14.30	12.04	45.09	18.07	10.97	6.66	9.16	16.31	115.20
B	0	0	0	0	5.31	0	0	0	0	1.98	0	0	7.29
C	0	0	0	0.46	1.25	0	0	0	2.48	0.82	1.37	0	5.01
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E	14.56	7.98	10.80	8.53	20.86	12.04	45.09	18.07	13.45	9.46	10.53	16.31	127.50
													187.68
<u>1922</u>													
A	4.98	6.73	4.43	5.13	11.10	23.33	9.84	12.58	4.63	4.99	4.30	10.25	71.60
B	0	0	0	0	11.59	0	11.09	12.01	5.18	0.64	0	0.23	40.51
C	0	0	0.45	0	3.62	11.65	4.31	0.11	0	0	0	0	19.69
D	0	0	0	0	0	0	0.40	0	0	0	0	0	0.40
E	4.98	6.73	4.88	5.13	26.31	34.98	25.64	24.70	9.81	5.63	4.30	10.48	132.20
													163.57
<u>1923</u>													
A	5.82	9.31	5.71	6.28	12.40	48.15	41.41	32.04	19.93	6.84	7.69	5.12	167.05
B	0	0	0	0.74	3.52	0	0	0	0	0	0	0	4.26
C	0.31	0	0.24	0.61	0.93	1.07	5.88	0	0	0	0	0	8.49
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E	6.13	9.31	5.95	7.63	16.85	49.22	47.29	32.04	19.93	6.84	7.69	5.12	179.80
													214.00

****Total Diversions By Ditches, Pueblo to Nepesta, Colorado.**
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr. - Oct.	Seasonal.
<u>1924</u>														
A	4.44	7.33	6.86	24.98	29.67	39.32	11.52	7.96	6.09	6.95	7.25	8.99	126.49	161.36
B	0	0	0	0	3.93	0.35	8.61	29.77	2.78	0.40	0	0	45.84	45.84
C	0	0	0	0	6.28	2.27	12.08	0	0.08	0	0	0	20.71	20.71
D	0	0	0	0	0	0	0	0	0	0.50	0.55	0	0.50	1.05
E	4.44	7.33	6.86	24.98	39.88	41.94	32.21	37.73	8.95	7.85	7.80	8.99	193.54	228.96
<u>1925</u>														
A	9.66	15.08	6.08	5.78	9.86	12.20	26.63	15.29	7.82	7.38	16.71	14.50	84.96	146.99
B	0	0	0	0.48	0.60	0	1.73	4.25	0.08	0.60	0	0	7.74	7.74
C	0	0	0.33	0	7.10	5.64	0	0	0	0	0	0	12.74	13.07
D	0	0	0	0	0	2.33	0	0	0	0	0	0	2.33	2.33
E	9.66	15.08	6.41	6.26	17.56	20.17	28.36	19.54	7.90	7.98	16.71	14.50	107.77	170.13
<u>1926</u>														
A	8.91	6.85	6.48	9.70	25.08	41.92	22.83	9.69	6.02	6.02	7.18	13.78	121.26	164.46
B	0	0.02	0.45	0.44	0	0	9.17	24.55	3.77	0.60	0.52	0	38.53	39.52
C	0	0	0	0	11.04	3.23	7.27	0	0.16	0	0	0	21.70	21.70
D	0	0	0	0	0	0	0	0	0	0.07	0	0	0.07	0.07
E	8.91	6.87	6.93	10.14	36.12	45.15	39.27	34.24	9.95	6.69	7.70	13.78	181.56	225.75
<u>1927</u>														
A	17.76	4.88	8.40	6.24	9.18	30.25	26.89	30.43	10.52	10.48	8.21	11.72	123.99	174.96
B	0	0	0	0.13	6.25	0.17	6.64	0.06	2.88	0	0	0	16.13	16.13
C	0	0.45	0.06	0.54	8.18	0	0	4.38	0.43	0.47	0.45	0	14.00	14.96
D	0	0	0	0	0.56	0	0	0	0	1.15	0	0	1.71	1.71
E	17.76	5.33	8.46	6.91	24.17	30.42	33.53	34.87	13.83	12.10	8.66	11.72	155.83	207.76

****Total Diversions By Ditches, Pueblo to Nepesta, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1928</u>														
A	13.74	7.97	8.10	5.60	42.48	36.26	23.54	9.47	5.66	6.55	11.43	16.16	129.56	186.96
B	0	0	0.58	0.98	4.31	0	3.74	11.43	4.85	1.37	0	0	26.68	27.26
C	0	0	0.19	0	2.22	1.62	17.52	14.92	0	2.25	0.48	0	38.53	39.20
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	13.74	7.97	8.87	6.58	49.01	37.88	44.80	35.82	10.51	10.17	11.91	16.16	194.77	253.42
<u>1929</u>														
A	13.49	6.17	6.94	5.50	9.79	23.42	21.27	33.64	20.59	12.89	17.73	14.70	127.10	186.13
B	0	0	1.64	6.08	10.53	0.16	0.45	0	1.08	0.22	0	0	18.52	20.16
C	0	0	0	0	7.47	12.35	4.97	4.40	1.77	0.56	0	0	31.52	31.52
D	0	0	0	0	0	0	0.53	0.80	1.08	0	0	0	2.41	2.41
E	13.49	6.17	8.58	11.58	27.79	35.93	27.22	38.84	24.52	13.67	17.73	14.70	179.55	240.22
<u>1930</u>														
A	5.16	6.49	8.59	6.48	8.09	16.81	12.83	26.89	13.93	12.36	8.75	13.33	97.39	139.71
B	0	0	0	6.66	7.59	0.41	7.92	3.55	0.07	0.07	0	0	26.27	26.27
C	0	0	0	0.44	1.56	15.07	2.43	0.32	0.52	0	0	0	20.34	20.34
D	0	0.20	1.04	0	0.16	0	0.86	0.11	0.63	0	0	0	1.76	3.00
E	5.16	6.69	9.63	13.58	17.40	32.29	24.04	30.87	15.15	12.43	8.75	13.33	145.76	189.32
<u>1931</u>														
A	17.46	11.97	10.99	8.76	16.19	12.08	6.08	5.34	5.92	5.30	4.06	6.43	59.67	110.58
B	0	0	0	0.32	7.43	1.81	2.83	1.04	0.35	0.03	0.41	0	13.81	14.22
C	0	0	0	0	5.78	2.02	1.13	0	0	0	0	0	8.93	8.93
D	0	0	0	0	0	0.45	0	0	0.37	0.70	0	0.15	1.52	1.67
E	17.46	11.97	10.99	9.08	29.40	16.36	10.04	6.38	6.64	6.03	4.47	6.58	83.93	135.40

****Total Diversions by Ditches, Pueblo to Nepesta, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct.	Seasonal.
<u>1932</u>														
A	11.90	7.15	4.49	4.86	8.34	22.85	18.94	12.84	5.71	6.05	6.92	7.89	79.59	117.94
B	0	0	0	0.95	2.76	0.91	4.36	3.14	1.35	0	0	0	13.47	13.47
C	0	0	0.71	0	0.22	0	0	0	0	0	0	0	0.22	0.93
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	11.90	7.15	5.20	5.81	11.32	23.76	23.30	15.98	7.06	6.05	6.92	7.89	93.28	132.34
<u>1933</u>														
A	7.84	4.90	5.02	5.14	15.55	41.98	15.41	15.64	8.18	5.09	4.44	7.74	106.99	136.93
B	0	0	0.67	0.05	0.23	0.05	9.14	7.33	0.17	0.61	0.61	0.22	17.58	19.08
C	0	0	0	0	0	0.93	0	0	0	0	0	0	0.93	0.93
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	7.84	4.90	5.69	5.19	15.78	42.96	24.55	22.97	8.35	5.70	5.05	7.96	125.50	156.94
<u>1934</u>														
A	8.67	6.69	6.15	5.17	8.12	6.22	5.56	5.62	5.64	6.34	4.45	4.32	42.67	72.95
B	0.42	0.50	0.23	0.75	1.99	0.33	1.40	0.32	0.15	0	0	0	4.94	6.09
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0.09	0	0	0	0	0	0	0	0	0	0	0.09
E	9.09	7.19	6.47	5.92	10.11	6.55	6.96	5.94	5.79	6.34	4.45	4.32	47.61	79.13
<u>1935</u>														
A	4.40	4.21	5.12	5.09	15.91	49.65	19.95	8.77	8.65	7.53	6.14	7.61	115.55	143.03
B	0	0	0	0	0	0	14.71	19.31	0.07	0	0.55	0	34.09	34.64
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	4.40	4.21	5.12	5.09	15.91	49.65	24.66	28.08	8.72	7.53	6.69	7.61	149.64	177.67

*****Total Diversions By Ditches, Pueblo to Hespera, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Sea anal.
1936	A 9.78	6.94	5.34	5.76	39.19	29.25	14.07	19.42	6.52	7.51	4.35	10.76	121.72	155.89
	B 0	0	0.13	1.11	3.19	10.38	20.83	13.93	2.89	0.15	0.37	0.65	52.48	53.63
	C 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E 9.78	6.94	5.47	5.87	42.38	39.63	34.90	33.35	9.41	7.66	4.72	11.41	174.20	212.52
1937	A 7.47	8.11	6.49	6.42	14.09	20.54	7.77	9.95	13.17	5.51	4.10	5.45	77.45	109.07
	B 0	0	0.06	4.40	8.39	11.85	9.05	3.14	0.09	0.62	0.60	0	37.54	38.20
	C 0	0	0	0.15	0	0	0	0	0	0	0	0	0.15	0.15
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E 7.47	8.11	6.55	10.97	22.48	32.39	16.82	13.09	13.26	6.13	4.70	5.45	115.14	147.42
1938	A 6.53	4.86	5.28	6.07	15.42	67.15	17.28	10.17	17.83	7.64	8.32	20.30	141.56	186.85
	B 0	0	0.60	0.66	0.15	0	11.62	22.40	0.57	0.79	0.45	0	36.19	37.24
	C 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E 6.53	4.86	5.88	6.73	15.57	67.15	28.90	32.57	18.40	8.43	8.77	20.30	177.75	224.09
Maximum	17.76	15.05	16.00	24.98	49.72	67.15	47.29	38.84	24.52	13.67	20.94	20.30	194.77	253.42
Minimum	4.40	4.21	4.83	4.64	10.11	6.55	6.96	5.94	5.79	5.63	4.30	4.32	47.61	73.13
Mean	9.67	8.19	7.49	8.81	24.73	37.10	30.83	25.74	11.54	8.20	8.76	10.89	146.95	191.95

* Sum of Mean Months.

**Includes the following ditches: Booth-Orchard Grove, Excelsior, Collier (1926-1938) Colorado, Rocky Ford, Highline and Oxford-Farmers.

Key to letters: A. Direct water plus storage to Lakes Meredith and Henry.
 B. Up-Stream Reservoir water plus transmountain diversion water.
 C. Meredith exchange to Colorado Canal.
 D. Holbrook exchange to Colorado Canal.
 E. Total diversions (A, B, C, and D).

****Total Diversions By Ditches, Nepesta to LaJunta, Colorado.
1912 to 1938**

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: Arkansas River.

Source of Information:
See Introduction and Pages 1 and 2.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
													Oct.	Seasonal.
<u>1912</u>	A 10.34	18.66	22.79	13.40	35.27	111.26	81.84	57.14	20.21	22.78	15.84	19.77	346.90	434.30
	B	0	0	0	2.31	1.00	1.14	3.42	0.93	0	2.53	0	8.50	11.38
	C 10.34	18.66	22.79	13.40	37.53	112.26	82.98	60.56	21.14	22.78	18.42	19.77	355.70	445.68
	-D	0	0	0	0.38	0	1.86	0.40	0.39	0.54	0	0	3.57	3.57
	E 10.34	18.66	22.79	13.40	37.20	112.26	81.12	60.16	20.75	22.24	18.42	19.77	352.13	442.11
<u>1913</u>	A 17.83	18.14	26.63	21.14	29.40	61.57	36.35	17.88	20.80	23.73	19.85	14.85	210.92	303.22
	B	0	0	0	5.99	0	0	0.46	0	0	0	0	6.45	6.45
	C 17.83	18.14	26.63	21.14	35.39	61.57	36.35	18.34	20.80	23.78	19.85	14.85	217.37	314.67
	-D	0	0	0	1.73	0	1.01	0.74	0.13	0	0	0	3.66	3.66
	E 17.83	18.14	26.63	21.14	33.61	61.57	35.34	17.60	20.67	23.78	19.85	14.85	213.71	311.01
<u>1914</u>	A 27.49	22.29	13.78	24.90	123.93	106.11	122.93	86.84	25.17	29.02	34.44	23.14	518.90	640.04
	B	0	0	0	0	0	0.25	0.31	0.06	3.13	0	0	4.25	4.25
	C 27.49	22.29	13.78	24.90	123.93	106.11	123.18	87.65	25.23	32.15	34.44	23.14	523.15	644.29
	-D	0	0	0.30	0.50	0	0.96	0.99	0.53	0	0	0	2.98	3.28
	E 27.49	22.29	13.48	24.40	123.93	106.11	122.22	86.66	24.70	32.15	34.44	23.14	520.17	641.01
<u>1915</u>	A 25.50	21.81	22.85	31.26	113.25	107.92	64.84	63.12	34.16	25.21	30.06	30.69	489.76	620.67
	B	0	0	0	0	0	3.04	0.20	0.86	1.85	0	0	5.95	5.95
	C 25.50	21.81	22.85	31.26	113.25	107.92	67.83	63.32	35.02	27.06	30.06	30.69	495.71	626.62
	-D	0	0	0	0	0	8.70	3.73	0.32	2.06	0.36	0	15.31	15.67
	E 25.50	21.81	22.85	31.26	113.25	107.92	59.18	59.59	34.20	25.00	29.70	30.69	480.40	610.95

****Total Diversion By Ditches, Mepesta to LaJunta, Colorado.
1912 to 1938
(Continued)**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1916</u>													
A	18.60	20.18	29.70	24.55	50.93	71.69	52.02	59.34	23.37	25.10	27.71	27.99	307.00
B	0	0	0	1.38	4.40	0	0	2.49	0	0	0	0	8.27
C	18.60	20.18	29.70	25.93	55.33	71.69	52.02	61.83	23.37	25.10	27.71	27.99	315.27
-D	0	0	0	0.32	9.65	1.48	0.32	0	0	0	0	0	11.77
E	18.60	20.18	29.70	25.61	45.68	70.21	51.70	61.83	23.37	25.10	27.71	27.99	303.50
<u>1917</u>													
A	26.76	22.54	21.84	20.73	37.40	98.50	61.90	40.67	29.21	25.02	21.23	20.79	313.43
B	0	0	0	0	0	0	0	3.72	0	0	0	0	3.72
C	26.76	22.54	21.84	20.73	37.40	98.50	61.90	44.39	29.21	25.02	21.23	20.79	317.15
-D	0	0	0	0.40	6.34	1.57	2.40	0.55	0	0	0	0	11.26
E	26.76	22.54	21.84	20.33	31.06	96.93	59.50	43.84	29.21	25.02	21.23	20.79	305.89
<u>1918</u>													
A	19.91	24.55	22.70	22.26	31.12	113.18	64.24	25.41	36.20	24.40	29.10	24.86	315.81
B	0	0	0	0	0	0	0	6.01	0	0	0	0	6.01
C	19.91	24.55	22.70	22.26	31.12	113.18	64.24	31.42	36.20	24.40	29.10	24.86	324.82
-D	0	0	0	0.44	5.35	0.60	2.25	1.72	0	0	0	0	10.36
E	19.91	24.55	22.70	21.82	25.77	112.58	61.99	29.70	36.20	24.40	29.10	24.86	314.46
<u>1919</u>													
A	24.49	22.82	34.98	71.87	77.62	66.31	53.95	43.33	30.90	45.22	29.60	35.82	369.20
B	0	0	0	0	0	0	3.03	0.45	0	0	0	0	3.48
C	24.49	22.82	34.98	71.87	77.62	66.31	56.98	43.78	30.90	45.22	29.60	35.82	392.68
-D	0	0	0	0	8.04	9.08	2.97	0.21	0	0	0	0	20.30
E	24.49	22.82	34.98	71.87	69.58	57.23	54.01	43.57	30.90	45.22	29.60	35.82	372.38

**Total Diversions By Ditches, Nepesta to La Junta, Colorado.
1912 to 1933
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal
1920													
A	42.42	30.13	25.22	17.52	47.93	100.30	66.27	67.08	47.41	40.44	34.25	35.55	386.95
B	0	0.08	0	0	0	0	0	1.29	0	0	0	0	1.29
C	42.42	30.21	28.22	17.52	47.93	100.30	66.27	65.37	47.41	40.44	34.25	35.55	386.24
-D	0	0	0.13	0.19	4.40	1.00	7.92	2.11	0.41	0.70	0	0	16.73
E	42.42	30.21	28.09	17.33	43.53	99.30	58.35	66.26	47.00	39.74	34.25	35.55	371.51
1921													
A	34.43	28.44	24.68	24.03	46.84	30.52	55.18	55.64	34.49	24.09	37.72	34.26	303.84
B	0	0	0	0	3.44	0	0	0	0	1.90	0.56	0	5.34
C	34.43	28.44	24.68	24.03	50.28	30.52	55.18	55.64	34.49	25.99	38.28	34.26	309.18
-D	0	0	0	0.46	1.25	0	0	0	2.48	0.82	1.37	0	5.01
E	34.43	28.44	24.68	23.62	49.03	30.52	55.18	55.64	32.01	25.17	36.91	34.26	304.17
1922													
A	28.04	23.25	25.99	24.52	39.55	72.87	42.66	37.03	16.84	16.76	17.23	18.48	250.28
B	0	0	0	0	3.78	0	1.86	0.90	0	0	0	0	6.54
C	28.04	23.25	25.99	24.52	43.33	72.87	44.52	37.93	16.84	16.76	17.23	18.48	256.82
-D	0	0	0.45	0	3.62	11.65	4.71	0.11	0	0	0	0	20.09
E	28.04	23.25	25.54	24.52	39.71	61.22	39.31	37.87	16.84	16.76	17.23	18.48	236.13
1923													
A	17.06	15.38	16.40	18.91	40.79	79.24	116.34	90.17	36.93	45.67	63.89	40.04	428.05
B	0	0	0	0	0.65	0	0	0	0	0	0	0	0.65
C	17.06	15.38	16.40	18.91	41.44	79.24	116.34	90.17	36.93	45.67	63.89	40.04	428.70
-D	0.31	0	0.24	0.61	0.93	1.07	5.83	0	0	0	0	0	8.49
E	16.75	15.38	16.16	18.30	40.51	78.17	110.46	90.17	36.93	45.67	63.89	40.04	420.21
													572.43

**Total Diversions By Ditches, Nepesta to LaJunta, Colorado.
1912 to 1933
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Oct.	Seasonal.
1924	A 1.49	16.67	14.97	25.59	76.53	120.15	51.39	19.79	13.84	18.46	13.77	16.89	324.38	393.17
	B 0	0	0	0	2.02	0	3.67	5.92	0.80	0.13	0	0	12.54	12.54
	C 1.49	16.67	14.97	23.89	75.85	120.13	55.06	25.71	14.64	18.59	15.77	16.89	336.92	405.71
	D 0	0	0	0	6.28	2.27	12.08	0	0.03	0.50	0.55	0	21.21	21.76
	E 1.49	16.67	14.97	23.89	72.57	117.91	42.98	25.71	14.56	18.09	15.22	16.89	315.71	383.95
1925	A 18.60	15.53	15.36	8.58	30.52	38.86	64.41	50.93	24.66	13.65	11.30	16.97	236.96	314.72
	B 0	0	0	0.05	0.16	0	0	0.95	1.16	0	0	0	2.32	2.32
	C 13.60	15.53	15.36	3.93	30.68	38.86	64.41	51.93	25.82	13.65	11.30	16.97	239.23	317.04
	D 0	0	0.33	0	7.10	7.97	0	0	0	0	0	0	15.07	15.40
	E 18.60	15.53	15.03	5.93	23.58	30.89	64.41	51.93	25.82	13.65	11.30	16.97	224.21	301.64
1926	A 22.37	20.90	17.49	41.44	75.84	90.14	22.31	26.77	16.24	21.56	22.30	19.52	327.30	429.88
	B 0	0	0	0	1.36	1.63	3.78	1.22	0.70	0	0	0	8.69	8.69
	C 22.37	20.90	17.49	41.44	77.20	91.77	59.09	27.99	16.94	21.56	22.30	19.52	335.99	438.57
	D 0	0	0	0	11.04	3.23	7.27	0	0.16	0.07	0	0	21.77	21.77
	E 22.37	20.90	17.49	41.44	66.16	83.54	51.82	27.99	16.78	21.49	22.30	19.52	314.22	416.80
1927	A 15.54	18.83	20.13	19.69	36.92	75.53	81.32	90.35	34.76	30.29	22.57	21.73	368.91	467.81
	B 0	0	0	0.14	2.59	0	0	0.20	0.19	0	0	0.52	3.12	3.64
	C 15.54	18.83	20.18	19.83	39.51	75.58	81.32	90.55	34.95	30.29	22.57	22.25	372.03	471.45
	D 0	0.45	0.06	0.54	8.74	0	0	4.38	0.43	1.62	0.45	0	15.71	16.67
	E 15.54	18.43	20.12	19.29	30.77	75.53	81.32	86.17	34.52	28.67	22.12	22.25	356.32	454.78

**Total Diversions By Ditches, Nepesta to Lad Junta, Colorado.

1912 to 1932
(Continued)

Year	Year												A. r. -	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Se. t.	Oct.	Nov.	Dec.	Oct.	Seasonal.
1923	A 22.62	23.05	24.10	20.09	94.13	110.02	63.37	29.63	21.12	22.86	17.07	17.70	361.22	465.76
	B 0	0	0	2.20	1.22	0.02	2.49	3.32	2.36	0	0	0	12.11	12.11
	C 22.62	23.05	24.10	22.29	95.35	110.04	65.86	33.45	23.48	22.86	17.07	17.70	373.33	477.37
	-D 0	0	0.19	0	2.22	1.62	17.52	14.92	0	2.25	0.45	0	33.53	34.20
	E 22.62	23.05	23.91	22.29	93.13	108.42	48.34	15.53	23.48	20.61	16.59	17.70	354.80	436.67
1929	A 20.66	19.62	27.94	16.60	34.42	74.45	56.74	120.42	73.41	42.14	47.54	30.64	418.18	564.58
	B 0	0	0	0	1.76	0	1.45	0.12	0.55	0	0	0	3.63	3.63
	C 20.66	19.62	27.94	16.60	36.18	74.45	53.19	120.54	73.96	42.14	47.54	30.64	422.06	568.46
	-D 0	0	0	0	7.47	12.35	5.50	5.20	2.85	0.56	0	0	33.93	33.93
	E 20.66	19.62	27.94	16.60	28.71	62.10	52.69	115.34	71.11	41.53	47.54	30.64	368.13	534.53
1930	A 23.99	35.08	23.91	23.70	32.37	60.14	43.04	53.71	38.80	28.70	22.71	22.23	310.46	432.38
	B 0	0	0	1.80	1.07	2.76	0	1.05	0	0	0	0	6.62	6.62
	C 23.99	35.08	23.91	25.50	33.44	62.90	43.04	84.76	38.80	28.70	22.71	22.23	317.14	445.06
	-D 0	0.20	1.04	0.44	1.72	15.07	3.29	0.43	1.15	0	0	0	22.10	27.34
	E 23.99	34.83	22.87	25.06	31.72	47.83	39.75	84.33	37.65	28.70	22.71	22.23	295.04	421.72
1931	A 15.00	14.91	25.68	22.28	49.94	46.32	17.15	10.57	6.45	13.35	17.31	19.54	166.06	258.50
	B 0	0	0	0	0.45	0.92	0.63	0.80	0	0	0	0	2.80	2.80
	C 15.00	14.91	25.68	22.28	50.39	47.24	17.78	11.37	6.45	13.35	17.31	19.54	168.86	261.30
	-D 0	0	0	0	5.78	2.47	1.13	0	0.37	0.70	0	0.15	10.45	10.60
	E 15.00	14.91	25.68	22.28	44.61	44.77	16.65	11.37	6.08	12.65	17.31	19.39	158.41	250.70

****Total Diversions By Ditches, Nepesta to LaJunta, Colorado.
1912 to 1938
(Continued)**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sent.	Oct.	Nov.	Dec.	Apr.-- Oct., Seasonal.
1932	A 13.76	13.09	16.01	12.93	33.60	69.54	56.87	36.13	18.81	17.77	21.68	11.59	244.65
	B 0	0	0	0	0	0	0.65	1.18	0	0	0	0	320.78
	C 13.76	13.09	16.01	12.93	33.60	69.54	56.72	37.31	18.81	17.77	21.68	11.59	246.68
	-D 0	0	0.71	0	0.22	0	0	0	0	0	0	0	322.81
	E 13.76	13.09	15.30	12.93	33.38	69.54	56.72	37.31	18.81	17.77	21.68	11.59	246.46
													321.88
1933	A 12.51	9.73	11.99	14.07	52.82	89.21	40.10	43.11	29.26	13.91	20.73	25.01	282.48
	B 0	0	0	0	0	0	1.25	2.57	0	0	0	0	362.45
	C 12.51	9.73	11.99	14.07	52.82	89.21	41.35	45.68	29.26	13.91	20.73	25.01	286.30
	-D 0	0	0	0	0	0.93	0	0	0	0	0	0	366.27
	E 12.51	9.73	11.99	14.07	52.82	88.28	41.35	45.68	29.26	13.91	20.73	25.01	285.37
													365.34
1934	A 22.65	18.14	17.08	15.97	31.19	18.39	9.94	11.73	10.98	6.66	11.67	14.68	104.86
	B 0	0	0	0	2.65	1.07	0.25	0	0	0	0	0	189.08
	C 22.65	18.14	17.08	15.97	33.84	19.46	10.19	11.73	10.98	6.66	11.67	14.68	108.83
	-D 0	0	0.09	0	0	0	0	0	0	0	0	0	193.05
	E 22.65	18.14	16.99	15.97	33.84	19.46	10.19	11.73	10.98	6.66	11.67	14.68	108.83
													192.96
1935	A 13.98	11.67	9.40	5.03	48.25	91.84	64.45	34.04	29.76	21.77	22.51	19.73	295.14
	B 0	0	0	0	0	0	1.99	3.10	0.46	0	0	0	372.43
	C 13.98	11.67	9.40	5.03	48.25	91.84	66.44	37.14	30.22	21.77	22.51	19.73	300.69
	-D 0	0	0	0	0	0	0	0	0	0	0	0	377.98
	E 13.98	11.67	9.40	5.03	48.25	91.84	66.44	37.14	30.22	21.77	22.51	19.73	300.69
													377.98

****Total Diversions By Ditches, Nepesta to LaJunta, Colorado.**

1912 to 1938
(Continued)

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
														Oct.	Seasonal.
1936	A	18.02	15.43	13.27	15.54	77.37	76.07	52.36	76.75	24.02	27.73	30.73	26.44	319.35	433.79
	B	0	0	0	2.37	1.07	0.58	3.63	1.24	1.14	0	0	0	10.08	10.08
	C	13.02	15.43	13.27	17.91	78.44	76.65	56.04	78.00	25.16	27.73	30.73	26.44	359.93	463.87
	-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	18.02	15.43	13.27	17.91	78.44	76.65	56.04	78.00	25.16	27.73	30.73	26.44	359.93	463.87
1937	A	12.14	22.87	20.26	23.74	43.93	45.13	29.55	21.13	35.96	14.46	16.14	15.58	213.90	303.59
	B	0	0	0	0.99	1.60	0.71	1.64	3.63	0	0	0	0	8.62	8.62
	C	12.14	22.87	20.26	24.73	45.53	45.84	31.19	24.81	35.96	14.46	16.14	15.58	222.52	312.51
	-D	0	0	0	0.15	0	0	0	0	0	0	0	0	0.15	0.15
	E	12.14	22.87	20.26	24.58	45.53	45.84	31.19	24.81	35.96	14.46	16.14	15.58	222.37	312.36
1938	A	16.67	15.65	15.25	17.69	50.18	103.74	66.18	31.53	65.90	26.76	34.70	12.92	355.28	460.47
	B	0	0	0	0	0	0	0.60	1.59	0	0	0	0	2.49	2.49
	C	16.67	15.65	15.25	17.69	50.18	103.74	66.78	33.72	65.90	26.76	34.70	12.92	367.77	462.96
	-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E	16.67	15.65	15.25	17.69	50.18	103.74	66.78	33.72	65.90	26.76	34.70	12.92	367.77	462.96
Maximum	E	42.42	34.83	34.98	31.26	123.93	117.91	122.22	115.74	71.11	45.67	63.89	40.04	520.17	641.01
Minimum	E	1.49	9.73	9.40	5.03	23.58	19.46	10.19	11.37	6.08	6.66	11.70	11.59	108.83	132.96
Mean	E	20.09	19.96	20.74	24.32	51.35	76.50	56.13	50.95	29.73	24.30	25.57	22.99	113.53	143.48

*Sum of Mean Months.

**Includes the following ditches: Otero, Catlin, Holbrook, Rocky Ford, Fort Lyon Storage, and Fort Lyon.

Key to letters: A: Direct water plus storage into reservoirs of the Holbrook, Fort Lyon and Arity Canal Systems.

B: Up-stream reservoir and transmountain water.

C: Total headgate diversions. (A plus B.)

D: Meredith and Holbrook exchange to Colorado Canal, returned to river.

E: Total diversions. (C minus D)

Total Diversions By Ditches, La Junta to Lamar, Colorado.
1912 to 1938

From Arkansas River
Values in 1,000 Acre-Feet.

Source of Information.
See Introduction and Pages 162.

Headgate Location: Arkansas River.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1912	0	0	3.45	9.88	23.06	38.02	32.77	19.93	15.90	13.50	17.44	6.01	153.06	179.96
1913	0.11	0	5.37	11.68	11.11	31.43	20.73	6.94	6.56	15.94	17.27	7.81	104.39	134.95
1914	5.68	9.38	14.71	22.24	24.24	30.03	33.50	24.39	14.56	16.72	14.63	7.77	165.73	217.90
1915	1.38	7.60	7.92	20.24	19.50	23.43	28.71	28.45	16.89	24.74	19.89	4.91	161.96	203.66
1916	0.69	2.90	10.66	17.85	27.27	27.86	28.14	23.75	13.46	16.42	11.47	4.75	154.75	185.22
1917	1.38	5.03	9.50	9.97	23.33	34.86	39.70	23.89	14.58	11.93	14.52	9.69	158.26	195.38
1918	2.54	0.12	12.81	20.07	11.49	36.20	30.41	13.12	16.58	12.13	12.97	4.32	140.00	172.76
1919	0	0	0	2.16	18.34	27.41	25.04	16.86	15.77	9.85	5.69	1.92	115.43	123.04
1920	1.24	3.92	7.76	11.11	23.93	34.65	31.31	17.08	17.85	18.43	6.62	3.54	154.41	177.49
1921	0.84	2.04	4.51	14.55	29.35	11.94	16.90	14.54	13.80	20.86	17.34	3.84	121.94	150.51
1922	0.85	0.29	8.06	13.47	17.33	33.53	27.76	18.80	5.92	6.59	16.05	10.71	124.30	160.26
1923	3.93	7.90	10.74	7.71	19.07	30.67	33.81	12.48	21.99	7.35	4.86	2.13	133.08	167.64
1924	3.58	5.85	1.65	12.57	31.17	33.58	26.04	9.73	4.53	10.66	14.26	3.48	128.63	157.48
1925	0	3.29	8.96	5.70	16.81	21.70	32.16	18.99	14.60	17.10	9.40	5.80	127.06	154.51
1926	0.18	4.26	13.37	27.38	30.55	27.95	28.34	11.65	3.53	5.97	16.14	6.75	135.37	176.07
1927	2.44	6.50	9.27	10.77	16.23	35.43	27.28	16.66	20.87	26.91	24.65	3.92	154.15	200.93
1928	1.29	7.44	9.48	10.11	24.09	21.37	36.32	20.71	8.03	10.96	12.45	0.31	131.59	162.56
1929	0.31	0.21	8.63	8.38	15.25	34.71	31.79	31.97	26.20	28.09	5.08	2.30	170.39	186.92

1871	1872	1873	1874	1875
1876	1877	1878	1879	1880
1881	1882	1883	1884	1885
1886	1887	1888	1889	1890
1891	1892	1893	1894	1895
1896	1897	1898	1899	1900
1901	1902	1903	1904	1905
1906	1907	1908	1909	1910
1911	1912	1913	1914	1915
1916	1917	1918	1919	1920
1921	1922	1923	1924	1925
1926	1927	1928	1929	1930
1931	1932	1933	1934	1935
1936	1937	1938	1939	1940
1941	1942	1943	1944	1945
1946	1947	1948	1949	1950
1951	1952	1953	1954	1955
1956	1957	1958	1959	1960
1961	1962	1963	1964	1965
1966	1967	1968	1969	1970
1971	1972	1973	1974	1975
1976	1977	1978	1979	1980
1981	1982	1983	1984	1985
1986	1987	1988	1989	1990
1991	1992	1993	1994	1995
1996	1997	1998	1999	2000

1871-1875
 1876-1880
 1881-1885
 1886-1890
 1891-1895
 1896-1900
 1901-1905
 1906-1910
 1911-1915
 1916-1920
 1921-1925
 1926-1930
 1931-1935
 1936-1940
 1941-1945
 1946-1950
 1951-1955
 1956-1960
 1961-1965
 1966-1970
 1971-1975
 1976-1980
 1981-1985
 1986-1990
 1991-1995
 1996-2000

****Total Diversions By Ditches, La Junta to Lamar, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1930	0.61	1.07	9.33	11.02	21.05	32.14	22.19	35.73	13.50	13.82	7.73	0.63	154.45	173.82
1931	0	4.84	13.86	13.13	28.98	22.68	7.15	4.78	4.23	3.84	4.74	3.25	84.79	111.48
1932	1.49	5.52	6.08	5.40	14.55	32.28	27.90	24.32	6.59	7.77	10.27	2.96	113.81	145.13
1933	3.12	3.24	5.50	6.77	25.95	42.73	29.72	25.84	17.06	6.55	9.16	14.37	157.97	193.66
1934	9.07	9.27	9.04	6.33	17.19	8.20	7.92	4.29	10.98	3.79	3.37	4.77	53.70	94.22
1935	4.59	3.84	4.31	2.90	23.22	42.00	34.05	19.16	19.81	10.68	13.20	7.55	151.82	135.81
1936	3.02	1.16	4.05	5.13	32.40	18.00	24.40	37.16	15.93	23.94	16.30	10.85	156.96	192.34
1937	3.63	4.90	9.16	11.87	23.34	33.27	17.09	7.59	23.24	5.07	6.16	8.54	121.77	154.16
1938	3.63	9.02	6.31	8.50	29.10	33.95	34.28	15.99	27.81	13.43	13.54	9.72	168.06	215.78
Maximum	9.07	9.33	14.71	27.38	32.40	42.78	39.70	37.16	27.81	26.91	24.65	14.37	170.39	217.90
Minimum	0	0	0	2.16	11.11	8.20	7.15	4.78	3.53	3.79	3.37	0.31	55.70	94.22
Mean	2.43	4.06	7.99	11.37	22.28	29.64	27.24	18.71	14.67	13.43	12.04	5.65	137.34	*169.51

* Sum of Mean Months.

**Includes the following ditches: Las Animas Consolidated, Las Animas Town, Fort Bent, Keesee, Amity and Lamar.
Drainage water to Amity Canal deducted.

**Total Diversion By Ditches, Lamar - Holly, Colorado.
1912 to 1938

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: Arkansas River.

Source of Information.
See Introduction & page 122

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Apr.--		Seasonal.
												Dec.	Oct.	
1912	0	0	0	1.43	3.05	3.05	4.38	3.76	1.91	1.35	1.23	0.25	18.93	20.41
1913	0	0	0	2.43	2.50	4.46	3.78	2.19	1.59	1.60	1.73	0.28	18.55	20.61
1914	0	0	1.41	3.28	0.01	0.55	3.09	5.21	2.87	1.64	2.00	0.63	16.65	20.69
1915	0	0.02	0	1.03	0.30	1.69	2.15	2.03	1.17	2.42	0.36	0	10.79	11.17
1916	0	0.18	0.94	3.71	3.87	2.67	2.81	2.61	1.88	2.15	0.30	0	19.70	21.12
1917	0	0	1.31	3.46	6.01	6.19	6.95	4.73	4.39	3.43	2.38	1.97	35.16	40.82
1918	0.82	0.77	0.93	2.99	4.26	6.34	6.71	3.23	4.75	4.13	3.48	0.86	32.46	39.32
1919	0	0	0	0	2.14	6.42	6.11	5.49	3.77	3.55	1.56	0.90	27.48	29.94
1920	0.93	0.87	0.93	2.18	4.59	4.61	6.74	3.33	5.87	3.96	0.98	0.20	31.28	35.19
1921	0	0	1.04	3.62	6.65	1.27	1.50	1.31	1.35	1.74	0.04	0	17.44	18.52
1922	0.37	0.34	0.37	0.36	0.49	3.51	4.17	1.95	2.55	2.58	1.47	0.10	15.61	18.26
1923	0	0	0.63	2.73	2.35	1.65	1.68	1.06	0.72	0.09	0.04	0.05	10.28	11.00
1924	0.06	0.09	0.22	0.45	2.64	3.04	4.28	3.45	2.86	2.23	1.29	0.06	18.95	20.67
1925	0	0	2.52	3.45	3.60	4.35	4.05	4.25	3.00	1.49	0.24	0.03	24.19	26.98
1926	0	0.68	3.68	4.11	5.98	4.98	4.79	4.84	3.17	3.91	4.55	1.00	31.78	41.69
1927	0	0	1.35	4.21	3.68	5.15	2.99	0.40	2.49	2.30	2.07	0.47	21.22	25.11
1928	0	0.16	1.70	5.15	3.54	2.30	5.30	5.72	3.56	3.75	1.31	0	29.32	32.49
1929	0	0	1.28	3.81	4.06	4.52	4.16	3.14	2.98	3.52	0.86	0	26.19	28.33

****Total Diversions By Ditches, Lamar - Holly, Colorado.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1930	0	0.06	3.02	3.59	4.03	5.10	4.87	5.10	3.10	0.79	0.04	0	26.93
1931	0	0	0.60	1.93	4.73	4.03	3.19	2.47	2.35	3.46	2.53	0.76	22.16
1932	0	0.19	2.93	2.81	3.69	4.27	3.28	4.74	2.48	3.09	2.77	0.82	24.36
1933	0	0	1.93	2.54	3.85	6.53	6.01	5.82	3.61	4.43	2.42	0.77	32.79
1934	0.84	1.06	2.77	3.55	3.97	3.27	2.76	1.57	3.59	2.17	1.47	1.53	20.83
1935	1.00	1.33	1.79	1.94	2.97	5.26	5.15	4.04	2.36	2.88	2.91	0.83	25.08
1936	0.63	0.24	0.62	1.65	4.52	2.31	4.32	3.94	2.92	2.54	1.59	0.59	22.20
1937	0.26	0.23	0.62	1.99	3.09	3.07	2.62	1.97	2.99	1.99	1.81	1.27	17.72
1938	0.98	1.09	1.64	1.74	3.32	3.37	3.85	3.11	3.85	2.70	1.33	1.02	22.44
Maximum	1.00	1.38	3.68	5.15	6.65	6.42	6.95	5.82	5.87	4.43	3.48	1.97	35.15
Minimum	0	0	0	0	0.01	0.55	1.50	0.40	0.72	0.79	0.04	0	10.28
Mean	0.21	0.27	1.28	2.63	3.50	3.40	4.17	3.40	2.94	2.62	1.60	0.53	23.16

*Sum of Mean Months. from individual tables.

**Includes the following ditches: Hyde, Manvel, X-Y, Graham, Buffalo Creek and Sisson-Stable.

MONTHLY CANAL DIVERSION TABLES

Arkansas River Basin

Arkansas River

WATER DISTRICT NO. 14

Bessemer Canal Headgate To Pueblo, Colorado.

1926-1938

****Diversions By The Bessemer Canal.
1912 to 1938**

From Arkansas River.
Values in 1,000 Acre-Feet

Headgate Location: S.33, T.20., R.66W.

Source of Information:
See Introduction.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912														
Direct	1.64	3.40	5.10	5.51	7.74	14.58	16.08	7.51	3.60	1.08	2.56	3.00	56.10	71.80
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.64	3.40	5.10	5.51	7.74	14.58	16.08	7.51	3.60	1.08	2.56	3.00	56.10	71.80
1913														
Direct	1.86	1.76	3.98	3.60	3.72	12.01	5.64	4.14	3.60	1.80	2.46	0.84	34.51	45.41
Reservoir	0	0	0	0	0	0	0.28	0.98	0	0	0	0	1.26	1.26
Total	1.86	1.76	3.98	3.60	3.72	12.01	5.92	5.12	3.60	1.80	2.46	0.84	35.77	46.67
1914														
Direct	3.04	3.51	3.85	3.78	16.69	11.34	18.69	11.57	3.60	1.25	3.13	2.07	66.92	82.52
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.04	3.51	3.85	3.78	16.69	11.34	18.69	11.57	3.60	1.25	3.13	2.07	66.92	82.52
1915														
Direct	1.98	3.52	4.45	7.94	11.45	12.29	11.00	13.45	4.44	1.36	4.37	2.93	61.93	79.18
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.98	3.52	4.45	7.94	11.45	12.29	11.00	13.45	4.44	1.36	4.37	2.93	61.93	79.18
1916														
Direct	1.26	4.02	4.05	3.59	8.26	16.61	8.87	8.48	6.59	1.56	1.83	2.20	53.96	67.32
Reservoir	0	0	0	0	0	0	0	1.04	0	0	0	0	1.04	1.04
Total	1.26	4.02	4.05	3.59	8.26	16.61	8.87	9.52	6.59	1.56	1.83	2.20	55.00	68.36

1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

****Diversions By The Bessemer Ditch.**
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1917														
Direct	1.55	1.15	3.60	2.91	4.79	10.51	11.92	3.72	3.90	1.57	2.99	2.31	39.32	50.92
Reservoir	0	0	0	0	0.15	0	0	1.84	1.56	0	0	0	3.55	3.55
Total	1.55	1.15	3.60	2.91	4.94	10.51	11.92	5.56	5.46	1.57	2.99	2.31	42.87	54.47
1918														
Direct	0.93	1.80	5.65	4.24	4.27	15.37	8.92	4.16	4.16	2.23	2.85	1.66	43.35	56.24
Reservoir	0	0	0	0	0.24	0.14	0.03	3.23	1.02	0.02	0	0	4.68	4.68
Total	0.93	1.80	5.65	4.24	4.51	15.51	8.95	7.39	5.18	2.25	2.85	1.66	48.03	60.92
1919														
Direct	2.09	2.53	5.27	11.72	10.59	13.85	9.42	7.64	4.99	2.47	2.29	1.92	60.68	74.78
Reservoir	0	0	0	0	0.01	0	0	0	0.90	0	0	0	0.91	0.91
Total	2.09	2.53	5.27	11.72	10.60	13.85	9.42	7.64	5.89	2.47	2.29	1.92	61.59	75.69
1920														
Direct	2.54	6.15	7.03	4.20	8.42	18.37	15.75	12.02	4.85	2.01	1.06	0.53	65.62	82.93
Reservoir	0	0	0	0	0	0	0.01	0	0	0	0	0	0.01	0.01
Total	2.54	6.15	7.03	4.20	8.42	18.37	15.76	12.02	4.85	2.01	1.06	0.53	65.63	82.94
1921														
Direct	2.00	6.10	5.96	4.20	5.42	1.74	3.12	8.41	7.77	1.85	0.17	0	32.51	46.74
Reservoir	0	0	0	0	0.80	0	0	0	0	0	0	0	0.80	0.80
Total	2.00	6.10	5.96	4.20	6.22	1.74	3.12	8.41	7.77	1.85	0.17	0	33.31	47.54

****Diversions By The Bessemer Canal.**
1926 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1922</u>														
Direct	0	6.00	6.18	5.77	5.90	16.68	5.27	6.97	4.37	1.72	2.14	3.15	46.68	64.15
Reservoir	0	0	0	0	0.36	0	1.02	0.73	0.12	0	0	0	2.23	2.23
Total	0	6.00	6.18	5.77	6.26	16.68	6.29	7.70	4.49	1.72	2.14	3.15	48.91	66.38
<u>1923</u>														
Direct	4.15	2.91	4.16	4.35	6.41	18.34	11.27	5.75	0.71	5.58	1.11	2.20	52.41	66.94
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4.15	2.91	4.16	4.35	6.41	18.34	11.27	5.75	0.71	5.58	1.11	2.20	52.41	66.94
<u>1924</u>														
Direct	0.36	2.58	5.69	9.94	16.54	13.72	5.40	4.06	4.17	2.11	1.93	2.34	55.94	68.84
Reservoir	0	0	0	0	0	0	0	4.08	0	0	0	0	4.08	4.08
Total	0.36	2.58	5.69	9.94	16.54	13.72	5.40	8.14	4.17	2.11	1.93	2.34	60.02	72.92
<u>1925</u>														
Direct	0.66	4.53	5.01	3.99	5.90	5.63	10.39	9.36	5.51	3.08	4.21	1.65	43.86	59.92
Reservoir	0	0	0	0	1.00	0	0	0	1.59	0	0	0	2.59	2.59
Total	0.66	4.53	5.01	3.99	6.90	5.63	10.39	9.36	7.10	3.08	4.21	1.65	46.45	62.51
<u>1926</u>														
Direct	2.50	2.56	4.54	7.87	8.45	14.59	10.63	5.07	3.53	3.41	2.30	3.44	53.55	68.89
Reservoir	0	0	0	0	0	0	3.11	3.11	0	0	0	0	3.11	3.11
Total	2.50	2.56	4.54	7.87	8.45	14.59	10.63	8.18	3.53	3.41	2.30	3.44	56.66	72.00

****Diversions By The Bessemer Canal.**
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1927														
Direct	2.85	3.96	4.50	4.24	4.41	15.65	11.60	3.73	3.86	2.88	0	2.18	46.37	59.86
Reservoir	0	0	0	0	1.52	0	0	0.54	0.45	0	0	0	2.51	2.51
Total	2.85	3.96	4.50	4.24	5.93	15.65	11.60	4.27	4.31	2.88	0	2.18	48.88	62.37
1928														
Direct	1.89	4.01	4.44	4.19	11.92	15.41	9.28	4.57	4.30	2.79	1.57	2.99	52.46	67.36
Reservoir	0	0	0	0.85	0.32	0	1.21	2.23	0.28	0	0	0	4.89	4.89
Total	1.89	4.01	4.44	5.04	12.24	15.41	10.49	6.80	4.58	2.79	1.57	2.99	57.35	72.25
1929														
Direct	2.00	2.24	4.36	4.20	5.68	13.07	8.13	11.67	9.28	4.68	1.26	1.98	56.71	68.55
Reservoir	0	0	0	1.10	0.47	0	0.53	0	0	0	0	0	2.10	2.10
Total	2.00	2.24	4.36	5.30	6.15	13.07	8.66	11.67	9.28	4.68	1.26	1.98	58.81	70.65
1930														
Direct	1.09	3.14	4.04	4.37	4.56	8.92	7.00	9.63	3.62	4.29	0.18	1.24	42.39	52.08
Reservoir	0	0	0	1.40	0	0	2.13	0	0	0	0	0	3.53	3.53
Total	1.09	3.14	4.04	5.77	4.56	8.92	9.13	9.63	3.62	4.29	0.18	1.24	45.92	55.61
1931														
Direct	1.24	4.64	4.43	4.25	7.39	6.67	4.04	3.27	3.08	3.28	1.97	2.17	31.98	46.43
Reservoir	0	0	0	1.60	0	0.63	2.32	0.96	0	0	0	0	5.51	5.51
Total	1.24	4.64	4.43	5.85	7.39	7.30	6.36	4.23	3.08	3.28	1.97	2.17	37.49	51.94

****Diversions By The Bessemer Ditch.**
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1932													
Direct	2.29	3.31	3.74	4.21	4.58	4.29	6.52	5.20	4.20	3.46	2.90	1.59	32.46
Reservoir	0	0	0	0	0	0	2.31	0.50	0	0	0	0	3.11
Total	2.29	3.31	3.74	4.21	4.58	4.29	9.13	5.70	4.20	3.46	2.90	1.59	35.57
1933													
Direct	1.50	2.63	4.37	4.20	6.68	12.30	5.67	6.12	4.73	3.09	3.44	4.11	42.79
Reservoir	0	0	0	0	0	0	0.57	1.00	0.05	0	0	0	1.62
Total	1.50	2.63	4.37	4.20	6.68	12.30	6.24	7.12	4.78	3.09	3.44	4.11	44.41
1934													
Direct	2.73	3.91	4.29	4.27	4.42	4.01	3.43	4.21	3.46	2.37	3.73	3.29	26.17
Reservoir	0	0	0	0	0	0.75	1.27	0	0	0	0	0	2.02
Total	2.73	3.91	4.29	4.27	4.42	4.76	4.70	4.21	3.46	2.37	3.73	3.29	28.19
1935													
Direct	3.71	3.83	4.08	2.90	6.53	14.71	7.58	4.76	4.52	3.59	0	1.31	44.59
Reservoir	0	0	0	0	0	0	1.68	2.84	0	0	0	0	4.52
Total	3.71	3.83	4.08	2.90	6.53	14.71	9.26	7.60	4.52	3.59	0	1.31	49.11
1936													
Direct	4.01	1.81	4.32	3.90	11.11	12.04	5.84	8.43	4.20	4.38	1.62	2.34	49.90
Reservoir	0	0	0	0.52	0.03	0	3.16	2.72	0.66	0	0	0	7.09
Total	4.01	1.81	4.32	4.42	11.14	12.04	9.00	11.15	4.86	4.38	1.62	2.34	56.99

****Diversions By The Bessemer Ditch.**

1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1937</u>													
Direct	1.98	2.29	4.46	4.26	7.82	7.83	4.40	4.33	5.13	4.40	0.04	3.16	38.17
Reservoir	0	0	0	0.78	0.08	0.99	2.23	2.17	0	0	0	0	6.25
Total	1.98	2.29	4.46	5.04	7.90	8.82	6.63	6.50	5.13	4.40	0.04	3.16	44.42
<u>1938</u>													
Direct	2.76	3.93	4.40	4.33	5.95	19.16	8.23	4.91	7.86	3.46	0.18	4.37	53.90
Reservoir	0	0	0	0	0	0	0.43	3.07	0.57	0	0	0	4.07
Total	2.76	3.93	4.40	4.33	5.95	19.16	8.66	7.98	8.43	3.46	0.18	4.37	57.97
Maximum	4.15	6.15	7.03	11.72	16.69	19.16	18.69	13.45	9.28	5.58	4.37	4.37	66.92
Minimum	0	1.15	3.60	2.90	3.72	1.74	3.12	3.27	0.71	1.08	0	0	28.19
Mean	2.02	3.42	4.66	5.15	7.80	12.30	9.39	7.93	4.86	2.81	1.94	2.26	*50.24
													*64.54

* Sum of Mean Months.

**Reservoir water from up-stream sources.

Direct Diversions By The West Pueblo Ditch.
1912 to 1938

Source of Information:
See Introduction.

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S.31, T.20S., R.65W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	0.20	0	0	0.10	0.29	0.53	0.55	0.55	0.55	0.44	0.31	0.31	3.01	3.83
1913	0.30	0.25	0.28	0.27	0.80	1.05	1.08	1.08	1.04	1.08	1.04	0.52	6.40	8.79
1914	0	0	0	0	0.44	0.60	0.62	0.62	0.60	0.62	0.53	0.16	3.50	4.19
1915	0	0	0.05	0.71	0.78	0.91	1.05	0.60	0.69	0.56	0.03	0.08	5.30	5.46
1916	0	0	0.18	0.76	1.06	0.90	1.11	0.99	0.72	0.62	0.37	0.07	6.16	6.78
1917	0	0	0.11	1.04	0.81	0.92	0.91	1.07	1.04	0.62	0.25	0.41	6.31	7.08
1918	0.23	0	0.06	0.84	1.00	0.98	0.90	0.90	0.88	0.90	0.73	0	6.40	7.42
1919	0	0	0	0	0.60	1.01	1.05	1.05	1.02	1.05	0.17	0	5.78	5.95
1920	0	0	0	0.06	0.61	0.72	0.74	0.74	0.72	0.74	0.72	0.74	4.33	5.79
1921	0.74	0.43	0.28	0.66	0.68	0.07	0	0	0	0	0	0	1.41	2.86
1922	0	0	0	0.07	0.26	0.87	0.50	0.50	0.37	0	0.32	0.37	2.57	3.26
1923	0.37	0.04	0	0	0.16	0.36	0.37	0.37	0.30	0.22	0.18	0.17	1.78	2.54
1924	0	0	0	0.05	0.19	0.18	0.20	0.20	0.05	0.12	0.12	0.02	0.97	1.11
1925	0	0	0	0.10	0.19	0.18	0.19	0.19	0.18	0.19	0.18	0.19	1.22	1.59
1926	0.19	0.17	0.04	0.07	0.19	0.18	0.19	0.19	0.18	0.19	0.17	0	1.19	1.76
1927	0	0	0	0.02	0.20	0.41	0.20	0.17	0.18	0.19	0.18	0.04	1.37	1.59
1928	0	0	0	0.16	0.21	0.66	0.30	0.19	0.18	0.19	0.11	0	1.89	2.00
1929	0	0	0.04	0.18	0.25	0.41	0.20	0.19	0.18	0.19	0.03	0	1.60	1.67

Direct Diversions By The West Pueblo Ditch.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1930	0	0	0	0.17	0.19	0.24	0.25	0.25	0.24	0.25	0.24	0.03	1.59	1.86
1931	0	0	0	0.14	0.19	0.18	0.19	0.19	0.18	0.19	0	0	1.26	1.26
1932	0	0	0.05	0.18	0.19	0.18	0.19	0.19	0.18	0.19	0.08	0	1.30	1.43
1933	0	0	0	0.16	0.20	0.24	0.25	0.21	0.19	0.19	0.18	0.19	1.44	1.81
1934	0.19	0.17	0.16	0.22	0.33	0.24	0.21	0.24	0.23	0.23	0	0	1.70	2.22
1935	0	0.06	0.19	0.15	0.18	0.46	0.36	0.23	0.22	0.19	0.02	0	1.79	2.06
1936	0	0	0.08	0.20	0.41	0.55	0.23	0.23	0.20	0	0	0	1.82	1.90
1937	0	0	0	0.21	0.31	0.29	0.26	0.06	0.26	0.25	0.18	0	1.64	1.82
1938	0	0	0.12	0.24	0.26	0.60	0.28	0.25	0.23	0.19	0	0	2.05	2.17
Maximum	0.74	0.43	0.28	1.04	1.06	1.05	1.11	1.08	1.04	1.08	1.04	0.74	6.40	8.79
Minimum	0	0	0	0	0.16	0.18	0	0	0	0	0	0	0.97	1.11
Mean	0.08	0.04	0.06	0.25	0.41	0.51	0.46	0.42	0.40	0.36	0.23	0.12	*2.81	*3.34

* Sum of Mean Months.

Direct Diversions By The Pueblo Water Works (North Side)
1912 to 1938

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S.33, T.20S., R.65W.

Source of Information:
See Introduction.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Air.-	
													Oct.	Seasonal.
1912	1.09	1.04	1.12	1.08	1.12	1.08	1.12	1.12	1.12	1.12	1.12	1.12	7.76	13.25
1913	1.12	1.01	1.12	1.08	1.11	1.08	1.12	1.12	1.08	1.12	1.08	1.12	7.71	13.16
1914	1.12	0.93	0.68	0.72	0.76	0.88	0.88	0.88	0.91	0.74	0.60	0.67	5.77	9.77
1915	0.71	0.59	0.60	0.61	0.74	0.80	0.88	0.77	0.87	0.64	0.67	0.61	5.31	8.49
1916	0.63	0.59	0.70	0.67	0.82	0.96	1.06	0.84	0.87	0.72	0.63	0.66	5.94	9.15
1917	0.70	0.61	0.67	0.71	0.70	0.91	1.05	0.96	0.79	0.67	0.60	0.66	5.79	9.03
1918	0.73	0.63	0.69	0.68	1.00	1.05	1.04	1.11	0.73	0.76	0.63	0.68	6.37	9.73
1919	0.77	0.64	0.67	0.71	0.88	1.01	1.09	1.03	0.85	0.69	0.18	0.51	6.26	9.03
1920	0.64	0.51	0.60	0.68	0.79	0.92	1.12	1.00	0.89	0.84	0.70	0.72	6.24	9.41
1921	0.73	0.66	0.82	0.86	1.04	0.11	0.68	0.95	1.01	0.87	0.64	0.68	5.52	9.05
1922	0.69	0.63	0.75	0.73	0.81	1.06	1.18	1.15	1.06	0.76	0.64	0.56	6.75	10.02
1923	0.66	0.63	0.70	0.81	0.97	1.08	1.01	0.84	0.84	0.68	0.61	0.64	6.23	9.47
1924	0.73	0.62	0.69	0.77	0.95	1.08	1.20	1.37	1.12	0.84	0.71	0.84	7.33	10.92
1925	1.02	0.81	0.88	1.01	1.01	1.21	0.91	0.90	0.83	0.68	0.55	0.56	6.55	10.37
1926	0.59	0.53	0.62	0.60	0.76	0.96	0.94	0.99	0.87	0.73	0.56	0.61	5.85	8.76
1927	0.61	0.53	0.59	0.78	1.04	0.97	1.01	0.75	0.94	0.72	0.62	0.66	6.21	9.22
1928	0.67	0.67	0.74	0.83	0.83	0.96	1.12	1.16	1.00	0.80	0.62	0.65	6.70	10.05
1929	0.65	0.64	0.68	0.84	0.91	1.19	1.20	0.97	0.89	0.80	0.62	0.65	6.80	10.04

Direct Diversions By The Pueblo Water Works (North Side).
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1930	0.78	0.68	0.65	0.87	0.90	1.18	1.21	1.00	0.90	0.71	0.62	0.61	6.77	10.11
1931	0.66	0.56	0.63	0.79	0.87	1.19	1.28	0.99	0.92	0.78	0.62	0.61	6.82	9.90
1932	0.58	0.60	0.64	0.81	1.03	1.12	1.27	1.16	1.02	0.73	0.61	0.71	7.14	10.28
1933	0.60	0.60	0.68	0.62	0.84	1.01	1.21	0.91	0.99	0.85	0.62	0.58	6.43	9.51
1934	0.56	0.51	0.56	0.73	1.03	1.19	0.96	0.94	0.76	0.71	0.54	0.51	6.32	9.00
1935	0.55	0.48	0.69	0.69	0.64	0.92	1.18	1.05	0.82	0.67	0.53	0.51	5.97	8.73
1936	0.52	0.57	0.70	0.80	0.85	1.09	1.31	1.04	1.00	0.62	0.59	0.58	6.71	9.67
1937	0.64	0.60	0.75	0.89	1.04	1.07	1.35	1.34	0.99	0.76	0.64	0.62	7.44	10.69
1938	0.59	0.52	0.64	0.74	0.84	1.04	1.24	1.34	0.92	0.86	0.63	0.64	6.98	10.00
Maximum	1.12	1.04	1.12	1.08	1.12	1.21	1.35	1.37	1.12	1.12	1.12	1.12	7.76	13.25
Minimum	0.52	0.48	0.56	0.60	0.64	0.11	0.68	0.75	0.73	0.62	0.18	0.51	5.31	8.49
Mean	0.72	0.64	0.71	0.78	0.90	1.00	1.10	1.03	0.93	0.77	0.64	0.67	*6.51	*9.89

* Sum of Mean Months.

No record available June 4 - July 11, 1921 due to "Pueblo Flood".

Source of Information:
See Introduction.

Headgate Location: S 34, T. 20S., R. 65W.

-37-

Direct Diversions By The Pueblo Water Works (South Side).
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1930	0.99	0.90	0.89	1.00	1.10	1.43	1.39	1.11	1.04	0.73	0.69	0.74	7.80
1931	0.80	0.69	0.74	0.90	0.99	1.50	1.50	1.11	0.98	0.82	0.70	0.79	12.01
1932	0.75	0.74	0.79	0.98	1.18	1.22	1.31	1.18	1.11	0.67	0.55	0.78	11.52
1933	0.73	0.74	0.85	0.73	0.96	1.15	1.35	0.96	1.14	0.92	0.67	0.63	11.26
1934	0.69	0.60	0.72	0.88	1.26	1.15	1.05	1.08	0.89	0.83	0.62	0.61	10.83
													10.38
1935	0.67	0.61	0.89	0.68	0.69	0.96	1.36	1.20	0.99	0.70	0.55	0.59	9.89
1936	0.64	0.75	1.06	1.01	0.95	1.22	1.40	1.05	1.00	0.65	0.59	0.62	10.94
1937	0.82	0.77	0.84	0.96	1.20	1.18	1.57	1.66	0.99	0.81	0.66	0.70	12.16
1938	0.68	0.63	0.76	0.86	1.03	1.23	1.52	1.68	0.82	0.88	0.66	0.70	11.45
Maximum	1.12	1.04	1.12	1.20	1.30	1.50	1.57	1.68	1.25	1.12	1.12	1.12	13.25
Minimum	0.64	0.52	0.61	0.66	0.69	0.12	0.52	0.81	0.82	0.65	0.19	0.51	9.44
Mean	0.85	0.76	0.84	0.89	1.01	1.12	1.23	1.15	1.02	0.85	0.70	0.76	*11.18
* Sum of Mean Months.													

No record available June 4 - July 11, 1921 due to "Pueblo Flood".

MONTHLY CANAL DIVERSION TABLES

Arkansas River Basin

Arkansas River

WATER DISTRICT NO. 14

Pueblo To Nepesta, Colorado

1912-1938

Direct Diversions By The Booth - Orchard Grove Ditch.
1912 to 1938

From Arkansas River. Values in 1,000 Acre-Feet.										Headgate Location: S.5, T.21S., R.64W.										Source of Information. See Introduction.	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.								
1912	0.31	0.29	0.05	0.33	0.81	1.25	1.22	0.75	1.05	1.08	0.68	0.37	6.49	8.19							
1913	0	0	0	0.25	1.13	1.01	1.13	1.13	2.15	1.09	0.75	0.25	7.89	8.89							
1914	0	0	0	0.55	0.31	0.65	1.17	0.68	0.84	0.87	0.52	0.16	5.07	5.75							
1915	0	0	0	0	0.85	1.49	1.17	0.48	0.69	1.02	0.46	0.17	5.70	6.33							
1916	0	0	0.32	0.87	1.12	1.21	1.12	1.16	0.66	0.74	0.54	0	6.88	7.74							
1917	0	0	0	0.48	1.02	1.13	1.28	0.99	0.90	0.04	0	0	5.84	5.84							
1918	0	0	0	0.46	0.94	1.36	1.31	0.77	0.78	0.99	0.80	0	6.61	7.41							
1919	0	0	0	0.14	0.78	1.00	0.72	0.84	0.45	0.56	0.31	0	4.49	4.80							
1920	0	0	0	0.09	0.89	1.08	1.05	0.99	0.81	0.56	0.54	0.56	5.47	6.57							
1921	0.29	0	0.06	0.47	1.09	0.11	0	0	0	0	0	0	1.67	2.02							
1922	0	0	0	0.22	0.60	0.53	0.88	0.56	0.59	0.29	0.11	0	3.67	3.78							
1923	0	0	0.39	1.03	0.86	1.05	0.83	0.40	0.56	0.54	0.35	0	5.27	6.01							
1924	0	0	0.07	0.75	1.19	1.25	1.06	1.26	0.89	1.06	1.09	0.28	7.46	8.90							
1925	0	0	0.22	1.03	1.25	1.13	0.90	0.85	0.88	0.58	0.25	0	6.62	7.09							
1926	0	0	0.04	0.91	1.01	1.28	1.24	1.13	0.98	1.01	0.50	0	7.56	8.10							
1927	0	0	0	0.71	1.07	1.07	0.81	0.42	1.04	0.80	0.74	0.53	5.92	7.19							
1928	0	0.17	0.95	0.98	0.95	1.47	1.28	1.07	1.04	1.02	0.59	0	7.81	9.52							
1929	0	0	0.23	0.82	1.04	1.30	1.18	0.89	0.82	0.76	0	0	6.81	7.04							

Direct Diversions By The Booth - Orchard Grove Ditch.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.	
1930	0	0	0.34	0.77	1.03	1.18	1.10	0.75	0.58	0.57	0.23	0	5.98	6.55
1931	0	0	0.13	0.89	0.86	1.13	1.11	0.99	0.96	0.87	0.43	0	6.81	7.37
1932	0	0	0.44	0.84	1.01	1.04	1.10	0.88	1.03	0.59	0.95	0.21	6.49	8.09
1933	0	0	0.69	0.71	0.82	1.09	1.13	0.71	1.12	0.83	0	0.05	6.41	7.15
1934	0.16	0.12	0.66	0.93	1.08	1.04	0.94	1.09	0.95	0.79	0.64	0	6.82	8.40
1935	0	0.17	0.78	0.92	0.79	0.91	0.86	1.14	1.05	1.09	0.87	0.98	6.76	9.56
1936	0	0	0.93	1.05	1.15	1.13	1.14	1.10	1.07	0.69	0.39	0	7.33	8.65
1937	0	0.18	1.11	1.08	1.21	1.01	1.12	1.11	0.74	1.10	0.84	0.21	7.37	9.71
1938	0	0.15	0.84	0.86	1.08	1.55	1.14	1.12	0.98	0.93	0.74	0	7.66	9.39
Maximum	0.31	0.29	1.11	1.08	1.25	1.55	1.31	1.26	2.15	1.10	1.09	0.98	7.89	9.71
Minimum	0	0	0	0	0.31	0.11	0	0	0	0	0	0	1.67	2.02
Mean	0.03	0.04	0.31	0.67	0.96	1.09	1.04	0.86	0.87	0.76	0.49	0.36	*6.25	*7.48

* Sum of Mean Months.

Diversions By The Excelsior Ditch.
1912 to 1938

From Arkansas River.
Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S.32, T.20S., R.63W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912														
Direct	0	0	0	0	0.82	3.45	1.97	1.23	0	0	0	0	7.47	7.47
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.82	3.45	1.97	1.23	0	0	0	0	7.47	7.47
1913														
Direct	0	0	0	0	0	1.43	0.35	0.10	0	0	0	0	1.88	1.88
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1.43	0.35	0.10	0	0	0	0	1.88	1.88
1914														
Direct	0	0	0	0	2.74	0.87	1.62	1.18	0	0.52	0.41	0	6.93	7.34
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	2.74	0.87	1.62	1.18	0	0.52	0.41	0	6.93	7.34
1915														
Direct	0	0	0	0	0.65	1.41	1.22	1.25	0.10	0	0.82	0.14	4.63	5.59
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.65	1.41	1.22	1.25	0.10	0	0.82	0.14	4.63	5.59
1916														
Direct	0	0	0	0	0.35	1.49	0.45	0.68	0.17	0	0.32	0.07	3.14	3.53
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.35	1.49	0.45	0.68	0.17	0	0.32	0.07	3.14	3.53

Diversions By The Excelsior Ditch.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1917</u>														
Direct	0	0	0	0	0.39	1.06	1.07	0	0.06	0	0	0	2.58	2.58
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.39	1.06	1.07	0	0.06	0	0	0	2.58	2.58
<u>1918</u>														
Direct	0	0	0	0	0	2.34	1.11	0	0.01	0	0	0	3.46	3.46
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2.34	1.11	0	0.01	0	0	0	3.46	3.46
<u>1919</u>														
Direct	0	0	0	0	0.10	0.91	0.37	0.47	0.09	0	0	0	1.94	1.94
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.10	0.91	0.37	0.47	0.09	0	0	0	1.94	1.94
<u>1920</u>														
Direct	0	0	0	0	0.30	3.37	1.71	1.68	0.29	0.56	1.20	0.16	8.51	9.87
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0.30	3.37	1.71	1.68	0.29	0.56	1.20	0.16	8.51	9.87
<u>1921</u>														
Direct	0	0	0.11	0	0.20	0.09	0.42	0.28	0.12	0	0.43	0.06	1.11	1.71
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0.11	0	0.20	0.09	0.42	0.28	0.12	0	0.43	0.06	1.11	1.71

Diversion By The Excelsior Ditch.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1922														
Direct	0	0.12	0.10	0.02	0.20	1.45	0.06	0.10	0.01	0.52	0.17	0	2.36	2.75
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0.12	0.10	0.02	0.20	1.45	0.06	0.10	0.01	0.52	0.17	0	2.36	2.75
1923														
Direct	0	0.10	0.01	0	0.31	1.37	0.83	0.26	0.21	0	0	0	2.98	3.09
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0.10	0.01	0	0.31	1.37	0.83	0.26	0.21	0	0	0	2.98	3.09
1924														
Direct	0	0	0	0.72	0.62	1.06	0.20	0.20	0.13	0.35	0.42	0.32	3.28	4.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0.72	0.62	1.06	0.20	0.20	0.13	0.35	0.42	0.32	3.28	4.02
1925														
Direct	0	0.31	0	0.06	0.20	0.17	1.03	0.60	0.07	0	0.34	0.18	2.13	2.96
Reservoir	0	0	0	0.05	0.10	0	0	0	0.08	0	0	0	0.23	0.23
Total	0	0.31	0	0.11	0.30	0.17	1.03	0.60	0.15	0	0.34	0.18	2.36	3.19
1926														
Direct	0	0.08	0.04	0.47	1.18	1.60	0.93	0	0	0	0.38	0.92	4.18	5.60
Reservoir	0	0	0	0	0	0	0.03	0.67	0.33	0	0	0	1.03	1.03
Total	0	0.08	0.04	0.47	1.18	1.60	0.96	0.67	0.33	0	0.38	0.92	5.21	6.63

Diversions By The Excelsior Ditch.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1927</u>														
Direct	1.00	0.07	0.41	0	0	1.43	1.17	0.87	0.12	0.48	0	0.40	4.07	5.95
Reservoir	0	0	0	0.13	0.38	0.17	0.09	0.06	0.01	0	0	0	0.84	0.84
Total	1.00	0.07	0.41	0.13	0.38	1.60	1.26	0.93	0.13	0.48	0	0.40	4.91	6.79
<u>1928</u>														
Direct	0.79	0.37	0.20	0	1.72	2.62	0.32	0.02	0	0	0.50	0.94	4.68	7.48
Reservoir	0	0	0	0.23	0.07	0	0.96	0.73	0.41	0	0	0	2.40	2.40
Total	0.79	0.37	0.20	0.23	1.79	2.62	1.28	0.75	0.41	0	0.50	0.94	7.08	9.88
<u>1929</u>														
Direct	0.62	0.56	0.33	0	0.32	1.17	0.56	0.52	0.75	0.29	0.43	0.43	3.71	6.13
Reservoir	0	0	0	0.52	0.07	0.16	0.45	0	0.02	0.22	0	0	1.44	1.44
Total	0.62	0.56	0.33	0.52	0.39	1.33	1.11	0.52	0.77	0.51	0.43	0.43	5.15	7.57
<u>1930</u>														
Direct	0.37	0.40	0.13	0.56	0.03	0.57	0.79	1.33	0.17	0.65	0.69	0.84	4.16	6.59
Reservoir	0	0	0	0	0.07	0.41	0.72	0.17	0.07	0.07	0	0	1.51	1.51
Total	0.37	0.40	0.13	0.56	0.10	0.98	1.51	1.50	0.24	0.72	0.69	0.84	5.67	8.10
<u>1931</u>														
Direct	0.35	0.84	0.32	0.11	0.57	0.31	0	0	0	0	0	0.91	0.99	3.41
Reservoir	0	0	0	0.32	0.09	0.25	0.91	0.50	0.23	0	0	0	2.20	2.20
Total	0.35	0.84	0.32	0.43	0.66	0.56	0.81	0.50	0.23	0	0	0.91	3.19	5.61

Diversions By The Excelsior Ditch.
1912 to 1933

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1932</u>														
Direct	1.12	0.32	0	0	0.02	0.84	0.37	0.02	0	0	0	0	1.25	2.69
Reservoir	0	0	0	0.33	0.25	0.34	0.47	0.29	0.21	0	0	0	1.89	1.89
Total	1.12	0.32	0	0.33	0.27	1.18	0.84	0.31	0.21	0	0	0	3.14	4.58
<u>1933</u>														
Direct	1.08	0.08	0	0	0.35	2.27	0.44	0.53	0.14	0	0	0	3.73	4.89
Reservoir	0	0	0	0.05	0.23	0.05	0.90	0.55	0.17	0	0	0	1.95	1.95
Total	1.08	0.08	0	0.05	0.58	2.32	1.34	1.08	0.31	0	0	0	5.68	6.84
<u>1934</u>														
Direct	0.09	0.24	0.19	0	0	0	0	0.01	0	0	0	0	0.01	0.53
Reservoir	0	0	0	0.17	0.51	0.30	0.43	0.32	0.15	0	0	0	1.88	1.88
Total	0.09	0.24	0.19	0.17	0.51	0.30	0.43	0.33	0.15	0	0	0	1.89	2.41
<u>1935</u>														
Direct	0	0	0	0	0.37	1.96	0.75	0.11	0.06	0	0	0.03	3.25	3.28
Reservoir	0	0	0	0	0	0	0.43	0.86	0	0	0	0	1.29	1.29
Total	0	0	0	0	0.37	1.96	1.18	0.97	0.06	0	0	0.03	4.54	4.57
<u>1936</u>														
Direct	0.80	0.27	0	0	0.99	0.91	0.12	0.41	0	0	0	0.55	2.43	4.05
Reservoir	0	0	0.13	0.53	0.05	0.23	0.53	0.45	0.32	0	0	0	2.11	2.24
Total	0.80	0.27	0.13	0.53	1.04	1.14	0.65	0.86	0.32	0	0	0.55	4.54	6.29

Diversions By The Excelsior Ditch.

1912 to 1938

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1937														
Direct	0.06	0.69	0	0	0.44	0.37	0	0.17	0	0	0	0.12	0.98	1.85
Reservoir	0	0	0	0.59	0.22	0.26	0.38	0.52	0.09	0.02	0	0	2.08	2.08
Total	0.06	0.69	0	0.59	0.66	0.63	0.38	0.69	0.09	0.02	0	0.12	3.06	3.93
1938														
Direct	0	0	0	0	0.20	3.40	0.45	0.03	0.24	0	0	0	4.32	4.32
Reservoir	0	0	0	0.05	0.15	0	0.42	0.78	0.20	0	0	0	1.60	1.60
Total	0	0	0	0.05	0.35	3.40	0.87	0.81	0.44	0	0	0	5.92	5.92
Maximum	1.12	0.84	0.41	0.72	2.74	3.45	1.97	1.68	0.77	0.72	1.20	0.94	8.51	9.88
Minimum	0	0	0	0	0	0.09	0.06	0	0	0	0	0	1.11	1.71
Mean	0.23	0.16	0.07	0.18	0.59	1.48	0.93	0.66	0.19	0.14	0.23	0.22	*4.17	*5.08

* Sum of Mean Months.

T-Less than Five Acre-Feet.

****Direct Diversions By The Collier Ditch.
1926 to 1938**

From Arkansas River.

Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S.4, T.21S., R.62W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1926	0	0	0	0	0	0.24	0.25	0	0	0	0	0	0.50	0.50
1927	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	0	0	0	0	0.01	0.79	0	0.10	0	0	0	0	0.90	0.90
1934	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0.19	1.01	0.23	0	0	0	0	0	1.43	1.43
1936	0	0	0	0	0.74	0.65	0	0	0	0	0	0	1.39	1.39
1937	0	0	0	0	0.31	0.31	0.02	0	0.23	0	0	0	0.87	0.87
1938	0	0	0	0.01	0.19	1.56	0.39	0.05	0.19	0	0	0	2.39	2.39
Maximum	0	0	0	0.01	0.74	1.56	0.39	0.10	0.23	0	0	0	2.39	2.39
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	T 0	0.11	0.35	0.07	0.01	0.03	0	0	0	*0.57	*0.57

* Sum of Mean Months.

**No record previous to 1926. Maxima, Minima and Means computed for 13 years of record.

T-Less than Five Acre-Feet.

DISCUSSION OF OPERATION-COLORADO CANAL

The Colorado Canal diverts water from the Arkansas River under a decree dated 6-9-90, for 756.28 cubic feet per second. This decree yields its full amount only when the river is exceptionally high or when the demands on the river are low. At an early date efforts were made to supplement the direct-flow rights of the canal with storage rights in dependable reservoir systems. Storage rights were acquired in Lakes Meridith and Henry, situated near the right-of-way of the canal and several miles below its headgate, and in Twin Lakes, located just east of the Continental Divide between Leadville and Granite.

In recent years additional supplemental water has been made available by the construction of the Twin Lakes Transmountain Diversion, which brings water by collection canals and a tunnel through the Continental Divide into Twin Lakes, and thence on down the Arkansas River to the lands under the Colorado Canal. At times, additional water is purchased from miscellaneous sources as well as from Sugar Loaf and Clear Creek Reservoirs, near the headwaters of the Arkansas River above Salida.

The Colorado Canal is allowed to divert water under an exchange arrangement by which it takes water through its headgate in exchange for an equal amount of storage water released to the river through the outlet to Meridith Lake. (See diagrams, inside back cover.) Likewise the canal occasionally receives exchange water from the Holbrook Canal system, the exchange water from Holbrook Reservoir and Dye Lake being released through their respective outlets to the river in an amount equal to that diverted by the Colorado Canal. All exchange water to the

Colorado Canal is thus taken through the headgate of the canal in Water District No. 14 and is returned to the river in a like amount in Water District No. 17, several miles downstream.

The diversions of the canal consist of the following kinds of water: River water used for direct irrigation, river water diverted to storage in Lakes Meridith and Henry, water diverted from up-stream sources and used for direct irrigation, and water diverted from the river for direct irrigation and returned in equal amount by Lakes Meridith, ~~and~~ and Holbrook.

In the Arkansas Valley Ditch Association reports, "Diversions to Storage" and "Direct-flow Diversions" are not segregated except in minor instances and are reported as "River Water". The Amsley report, covering the years 1922-1925, does segregate the above items but does not separate "Exchange Water" from "Up-stream Water" except as annual totals. A comparison of the sum of the monthly values of exchange water and up-stream water from the A.V.D.A. reports, and the annual totals from the Amsley reports check very closely. For the Amsley years, 1922-1925, the A.V.D.A. figures were used for up-stream and transmountain diversion water and the following set-up of values for the period 1912-1938 was carried out in the tables on pages 49 to 54 inclusive:

- A - Total Headgate Diversions to Colorado Canal--equaling direct-flow water plus diversions to storage, through the canal, into Lakes Meridith and Henry.
- B - Up-stream Reservoir Water Plus Transmountain Diversion Water.
- C - Exchange Water to Colorado Canal-obtained under exchange arrangements, as explained above, from Holbrook Reservoir and Dye Lake.
- D - Total Diversions to Colorado Canal--equals A plus B plus C.

The above set-up excludes water obtained by exchange from Lake Meridith, since to include it would be to use it twice; once, as diversion to storage in "A" above, and again as Meridith exchange to Colorado

Canal. The exchange water from Lake Meridith to the canal has been shown in separate tables on pages 55-56. All of the water stored in Lake Henry and a small portion of that stored in Lake Meridith is diverted directly from the reservoirs for use without going through the exchange process. Therefore, the tables on pages 55-56 are not a true measure of the yield of the reservoirs and do not reflect the total amount of water diverted to the reservoirs as included in "A" above. On pages 134-137 are shown tables of reservoir contents on the first of the month for the various reservoirs under the Colorado and Holbrook systems.

The mean annual amount appearing as total diversions by the Colorado Canal, "D" above, is a true measure of the gross quantity of water diverted to the lands of the system, disregarding evaporation and seepage. However, due to the fact that for many months the totals contain water which is diverted to storage, it does not reflect the monthly distribution of diversion quantities to the land.

****Diversions By The Colorado Canal.
1912 to 1938**

From Arkansas River.
Values in 1,000 Acre-Feet.

Source of Information:
See Introduction and Page 48.

Headgate Location: S.10, T.21S., R.62W.

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
														Oct.	Seasonal.
1912	A	8.36	8.93	8.19	0	0.87	24.02	7.98	6.32	0	0	0.34	6.00	39.19	71.01
	B	0	0	0	0	8.52	0	4.48	5.50	0	0	0	0	18.50	18.50
	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	8.36	8.93	8.19	0	9.39	24.02	12.46	11.82	0	0	0.34	6.00	57.69	89.51
1913	A	11.44	6.12	2.39	0.04	0	2.72	2.31	0	0.25	0.23	0.55	5.87	5.55	31.92
	B	0	0	0	0	8.81	2.71	7.32	3.86	0	0	0	0	22.70	22.70
	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	11.44	6.12	2.39	0.04	8.81	5.43	9.63	3.86	0.25	0.23	0.55	5.87	28.25	54.62
1914	A	7.22	5.48	0.10	0	29.02	15.17	16.30	7.02	0.10	0.77	0.33	2.78	68.38	84.29
	B	0	0	0	0	0	0	0	7.19	0	0	0	1.41	7.19	8.60
	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	7.22	5.48	0.10	0	29.02	15.17	16.30	14.21	0.10	0.77	0.33	4.19	75.57	92.89
1915	A	3.22	7.34	5.33	8.89	6.72	9.50	6.13	11.25	0.57	0	0.99	4.58	43.06	64.52
	B	0	0	0	0	0	0	2.55	0	1.47	0	0	0	4.02	4.02
	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	3.22	7.34	5.33	8.89	6.72	9.50	8.68	11.25	2.04	0	0.99	4.58	47.08	68.54
1916	A	2.35	2.18	0	0	0	9.90	0	5.57	2.41	0	1.35	5.47	17.88	29.23
	B	0	0	9.10	0	0	6.87	10.70	9.52	0.13	0.53	0	0	27.75	36.85
	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	2.35	2.18	9.10	0	0	16.77	10.70	15.09	2.54	0.53	1.35	5.47	45.63	66.08

****Diversions By The Colorado Canal.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct.	Seasonal.
<u>1917</u>														
A	9.40	7.09	0.38	0	0	24.18	6.48	0	3.41	0	0	3.12	34.07	54.06
B	0	0	0	0	0.67	1.13	5.04	4.89	2.51	0.17	0.30	0.30	14.41	15.01
C	0	0	0	0	0	0	0	2.14	0	0	0	0	2.14	2.14
D	9.40	7.09	0.38	0	0.67	25.31	11.52	7.03	5.92	0.17	0.30	3.42	50.62	71.21
<u>1918</u>														
A	5.28	3.85	0.42	0	0	27.08	3.37	0	0.29	0	0.99	5.83	30.74	47.11
B	0	0	0	0	3.88	0.22	5.64	8.29	5.06	0.69	1.07	0	23.78	24.85
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	5.28	3.85	0.42	0	3.88	27.30	9.01	8.29	5.35	0.69	2.06	5.83	54.52	71.96
<u>1919</u>														
A	4.95	8.91	3.06	12.57	7.20	1.41	1.09	7.36	1.62	0	4.21	13.05	31.25	65.43
B	0	0	0	0	0	0	5.90	6.01	0	0.40	0.40	0	12.31	12.71
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	4.95	8.91	3.06	12.57	7.20	1.41	6.99	13.37	1.62	0.40	4.61	13.05	43.56	78.14
<u>1920</u>														
A	9.12	6.32	0.52	0	3.10	25.44	4.69	5.29	3.84	0.75	10.21	6.15	43.11	75.43
B	0	0	0	1.22	0	0	0	8.86	1.44	0	0	0	11.52	11.52
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	9.12	6.32	0.52	1.22	3.10	25.44	4.69	14.15	5.28	0.75	10.21	6.15	54.63	86.95
<u>1921</u>														
A	9.98	1.69	0.71	0	0.48	6.49	27.51	7.41	4.23	0	0.33	10.94	46.12	69.77
B	0	0	0	0	5.31	0	0	0	0	1.98	0	0	7.29	7.29
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	9.98	1.69	0.71	0	5.79	6.49	27.51	7.41	4.23	1.98	0.33	10.94	53.41	77.06

****Diversions By The Colorado Canal.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1922</u>													
A	0.80	3.85	0.59	0.40	0.98	3.25	0.39	2.38	0	0	0.99	6.66	7.40
B	0	0	0	0	11.59	0	11.09	12.01	5.18	0.64	0	0.23	40.51
C	0	0	0	0	0	0	0.40	0	0	0	0	0	0.40
D	0.80	3.85	0.59	0.40	12.57	3.25	11.88	14.39	5.18	0.64	0.99	6.89	48.31
													61.43
<u>1923</u>													
A	2.25	6.33	0.81	0	2.74	26.70	15.82	20.10	7.14	1.59	2.28	2.99	74.09
B	0	0	0	0.74	3.52	0	0	0	0	0	0	0	4.26
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	2.25	6.33	0.81	0.74	6.26	26.70	15.82	20.10	7.14	1.59	2.28	2.99	78.35
													93.01
<u>1924</u>													
A	2.79	3.84	0	11.92	11.37	15.71	0	0	0.16	0	0	5.21	39.16
B	0	0	0	0	3.93	0.35	8.61	28.47	2.78	0.40	0	0	44.54
C	0	0	0	0	0	0	0	0	0	0.50	0.55	0	1.05
D	2.79	3.84	0	11.92	15.30	16.06	8.61	28.47	2.94	0.90	0.55	5.21	84.20
													96.59
<u>1925</u>													
A	8.55	11.00	0.07	0.02	0.58	0.48	11.32	4.35	0.45	0.18	13.20	12.50	17.38
B	0	0	0	0.43	0.50	0	1.73	4.25	0	0.60	0	0	7.51
C	0	0	0	0	0	2.33	0	0	0	0	0	0	2.33
D	8.55	11.00	0.07	0.45	1.08	2.81	13.05	8.60	0.45	0.78	13.20	12.50	27.22
													72.54
<u>1926</u>													
A	5.86	0.89	0	0.38	10.94	21.11	8.03	0	0	0	0.11	8.31	40.46
B	0	0.02	0.45	0.44	0	0	9.14	21.29	2.63	0.60	0.52	0	34.10
C	0	0	0	0	0	0	0	0	0	0.07	0	0	0.07
D	5.86	0.91	0.45	0.82	10.94	21.11	17.17	21.29	2.63	0.67	0.63	8.31	74.63
													90.79

****Diversions By The Colorado Canal.
1912 to 1938**

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1927</u>														
A	12.46	0.23	1.50	0	0	12.46	10.75	17.18	1.38	0	0	6.67	41.77	62.53
B	0	0	0	0	5.87	0	6.55	0	2.87	0	0	0	15.29	15.29
C	0	0	0	0	0.56	0	0	0	0	1.15	0	0	1.71	1.71
D	12.46	0.23	1.50	0	6.43	12.46	17.30	17.18	4.25	1.15	0	6.67	58.77	79.63
<u>1928</u>														
A	8.74	1.23	0.54	0	19.76	14.27	4.29	0	0	0	3.31	10.71	38.32	62.85
B	0	0	0.58	0.75	4.24	0	2.78	8.30	3.48	1.37	0	0	20.92	21.50
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	8.74	1.23	1.12	0.75	24.00	14.27	7.07	8.30	3.48	1.37	3.31	10.71	59.32	82.35
<u>1929</u>														
A	9.91	3.88	0.61	0	0	0.97	4.28	15.21	5.49	1.74	11.62	12.37	27.69	66.08
B	0	0	1.64	4.98	9.43	0	0	0	1.06	0	0	0	15.47	17.11
C	0	0	0	0	0	0	0.53	0.80	1.08	0	0	0	2.41	2.41
D	9.91	3.88	2.25	4.98	9.43	0.97	4.81	15.01	7.63	1.74	11.62	12.37	45.57	85.50
<u>1930</u>														
A	3.47	3.98	0.42	0	0.08	1.14	1.56	7.79	1.36	5.54	4.46	10.67	17.47	40.47
B	0	0	0	6.66	7.52	0	5.50	3.38	0	0	0	0	23.06	23.06
C	0	0.20	1.04	0	0.16	0	0.86	0.11	0.63	0	0	0	1.76	3.00
D	3.47	4.18	1.46	6.66	7.76	1.14	7.92	11.28	1.99	5.54	4.46	10.67	42.29	66.53
<u>1931</u>														
A	15.84	8.76	4.11	1.84	2.42	0.55	0	0	0.09	0	0.82	1.75	4.90	36.18
B	0	0	0	0	7.34	1.39	0.47	0.54	0.12	0	0.37	0	9.86	10.23
C	0	0	0	0	0	0.45	0	0	0.37	0.70	0	0.15	1.52	1.57
D	15.84	8.76	4.11	1.84	9.76	2.39	0.47	0.54	0.58	0.70	1.19	1.90	16.28	48.09

****Diversions By The Colorado Canal.
1912 to 1938**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1932</u>														
A	7.85	3.00	0.21	0	0	4.32	4.23	1.89	0	0.59	0	4.54	11.03	26.63
B	0	0	0	0.62	2.51	0.57	1.82	2.65	1.14	0	0	0	9.31	9.31
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	7.85	3.00	0.21	0.62	2.51	4.89	6.05	4.54	1.14	0.59	0	4.54	20.34	35.94
<u>1933</u>														
A	1.96	0.74	0	0	4.63	19.31	2.95	3.24	1.20	0	0	0	31.33	34.03
B	0	0	0.67	0	0	0	6.30	4.75	0	0.61	0.61	0.22	11.66	13.16
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.96	0.74	0.67	0	4.63	19.31	9.25	7.99	1.20	0.61	0.61	0.22	42.99	47.19
<u>1934</u>														
A	0.39	0.87	0	0	0	0	0	0	0	1.22	0	0	1.22	2.48
B	0.42	0.50	0.23	0.36	0.58	0	0	0	0	0	0	0	0.94	2.09
C	0	0	0.09	0	0	0	0	0	0	0	0	0	0	0.09
D	0.81	1.37	0.32	0.36	0.58	0	0	0	0	1.22	0	0	2.16	4.66
<u>1935</u>														
A	0	0	0	0	4.54	23.15	3.53	0.17	0.92	0	0	1.50	32.31	33.81
B	0	0	0	0	0	0	13.17	15.16	0	0	0.55	0	28.33	28.83
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	4.54	23.15	16.70	15.33	0.92	0	0.55	1.50	60.64	62.69
<u>1936</u>														
A	5.21	3.56	0	0	18.63	9.42	3.05	6.62	0	0.43	0	5.48	38.15	52.40
B	0	0	0	0.58	3.12	10.15	17.14	11.38	1.91	0.15	0.37	0.65	44.43	45.45
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	5.21	3.56	0	0.58	21.75	19.57	20.19	18.00	1.91	0.58	0.37	6.13	82.58	97.85

****Diversions By The Colorado Canal.**

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1937</u>														
A	5.34	4.27	0.41	0	0.22	3.86	0	2.05	4.82	0	0	1.59	10.95	22.56
B	0	0	0.06	3.81	8.17	11.31	6.50	0	0	0.60	0.60	0	30.39	31.05
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	5.34	4.27	0.47	3.81	8.39	15.17	6.50	2.05	4.82	0.60	0.60	1.59	41.34	53.61
<u>1938</u>														
A	1.43	0.16	0	0.01	3.12	31.16	0.98	1.37	4.99	0	2.16	15.10	41.63	60.48
B	0	0	0.60	0.61	0	0	9.71	18.27	0	0.79	0.45	0	29.38	30.43
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.43	0.16	0.60	0.62	3.12	31.16	10.69	19.64	4.99	0.79	2.61	15.10	71.01	90.91
<u>Maximum</u>	D 15.84	11.00	9.10	12.57	29.02	31.16	27.51	28.47	7.63	5.54	13.20	15.10	84.66	97.85
<u>Minimum</u>	D 0	0	0	0	0.58	0	0	0	0	0	0	0	2.16	4.66
<u>Mean</u>	D 6.10	4.27	1.66	2.12	8.28	13.75	10.78	11.86	2.91	0.93	2.37	6.40	*50.63	*71.43

* Sum of Mean Months.

For key to symbols see pages 48 and 48-a.

Tables showing storage contents on the first of each month, 1921-1938, for Lake Henry, Lake Meridith, Holbrook Reservoir and Dye Lake are included on pages 134-137.

Diversions By The Colorado Canal in Exchange for Lake Herewith Water.
1912 to 1933

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S.10, T.21S., R.62W.

Source of Information.
See Introduction and Pages 48-49a.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	A. R. -	
													Oct.	Seasonal.
1912	0	0	0	0	0.38	0	1.86	0.40	0.39	0.54	0	0	3.27	3.27
1913	0	0	0	0	1.78	0	1.01	0.74	0.13	0	0	0	3.66	3.66
1914	0	0	0.30	0.50	0	0	0.96	0.99	0.53	0	0	0	2.93	3.28
1915	0	0	0	0	0	0	8.70	3.73	0.82	2.06	0.36	0	15.31	15.67
1916	0	0	0	0.32	9.65	1.48	0.32	0	0	0	0	0	11.77	11.77
1917	0	0	0	0.40	6.34	1.57	2.40	0.55	0	0	0	0	11.26	11.26
1918	0	0	0	0.44	5.35	0.60	2.25	1.72	0	0	0	0	10.36	10.36
1919	0	0	0	0	5.04	9.08	2.97	0.21	0	0	0	0	20.30	20.30
1920	0	0	0.13	0.19	4.40	1.00	7.92	2.11	0.41	0.70	0	0	16.73	16.86
1921	0	0	0	0.46	1.25	0	0	0	2.48	0.82	1.37	0	5.01	6.38
1922	0	0	0.45	0	3.62	11.65	4.31	0.11	0	0	0	0	19.69	20.14
1923	0.31	0	0.24	0.61	0.93	1.07	5.53	0	0	0	0	0	8.49	9.04
1924	0	0	0	0	5.28	2.27	12.08	0	0.03	0	0	0	20.71	20.71
1925	0	0	0.33	0	7.10	5.64	0	0	0	0	0	0	12.74	13.07
1926	0	0	0	0	11.04	3.23	7.27	0	0.16	0	0	0	21.70	21.70
1927	0	0.45	0.06	0.54	8.18	0	0	4.38	0.43	0.47	0.45	0	14.00	14.96
1928	0	0	0.19	0	2.22	1.62	17.52	14.92	0	2.25	0.43	0	55.53	59.20
1929	0	0	0	0	7.47	12.35	4.97	4.40	1.77	0.56	0	0	31.52	31.52

Diversions By The Colorado Canal in Exchange for Lake Meredith water.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1930	0	0	0	0.44	1.56	15.07	2.43	0.32	0.52	0	0	0	20.34	20.34
1931	0	0	0	0	5.78	2.02	1.13	0	0	0	0	0	3.93	3.93
1932	0	0	0.71	0	0.22	0	0	0	0	0	0	0	0.22	0.93
1933	0	0	0	0	0	0.93	0	0	0	0	0	0	0.93	0.93
1934	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	0	0	0	0.15	0	0	0	0	0	0	0	0	0.15	0.15
1938	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0.31	0.45	0.71	0.61	11.04	15.07	17.52	14.92	2.43	2.25	1.37	0	38.53	39.20
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.01	0.02	0.09	0.15	3.39	2.58	3.11	1.23	0.28	0.27	0.10	0	11.06	11.28

Sum of Year Months.

Diversions By The Rocky Ford Highline Canal.
1912 to 1916

From Arkansas River.

Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S. 17. T. 21 S., R. 61 W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr. -	
													Oct.	Seasonal.
1912														
Direct	3.44	3.20	1.78	4.37	8.65	21.71	14.23	5.78	4.55	5.81	6.06	2.40	63.15	55.03
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.44	3.20	1.78	4.37	8.65	21.71	14.23	5.78	4.55	5.81	6.06	2.40	63.15	55.03
1913														
Direct	1.62	1.89	3.17	3.40	4.92	10.35	7.01	3.35	3.74	5.58	3.96	1.87	38.35	51.36
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.62	1.89	3.17	3.40	4.92	10.35	7.01	3.35	3.74	5.58	3.96	1.87	38.35	51.36
1914														
Direct	2.89	3.32	4.28	5.34	12.63	13.49	12.75	13.64	5.40	5.14	4.89	5.12	74.39	92.59
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.89	3.32	4.28	5.34	12.63	13.49	12.75	13.64	5.40	5.14	4.89	5.12	74.39	92.59
1915														
Direct	1.68	2.21	4.81	5.32	11.64	15.47	13.21	12.02	5.76	5.57	4.21	4.12	71.99	89.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.68	2.21	4.81	5.32	11.64	15.47	13.21	12.02	5.76	5.57	4.21	4.12	71.99	89.02
1916														
Direct	2.29	3.23	5.49	5.16	6.89	12.77	6.18	6.93	5.10	5.49	4.71	3.02	42.52	67.26
Reservoir	0	0	0	0	0	0	0	0.21	0	0	0	0	0.21	0.21
Total	2.29	3.23	5.49	5.16	6.89	12.77	6.18	7.14	5.10	5.49	4.71	3.02	42.73	67.47

Diversions By The Rocky Ford Highline Canal.

1912 to 1916

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1917</u>													
Direct	2.18	1.81	3.60	3.01	5.86	19.07	15.57	5.12	4.96	5.43	5.56	3.93	99.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.18	1.81	3.60	3.01	5.86	19.07	15.57	5.12	4.96	5.43	5.56	3.93	99.02
<u>1918</u>													
Direct	3.24	2.83	3.02	4.43	4.72	20.71	12.15	4.15	5.18	5.46	4.74	3.94	56.80
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.24	2.83	3.02	4.43	4.72	20.71	12.15	4.15	5.18	5.46	4.74	3.94	56.80
<u>1919</u>													
Direct	2.17	1.70	2.38	3.43	14.60	10.77	9.97	7.97	8.34	5.25	4.53	1.13	57.33
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.17	1.70	2.38	3.43	14.60	10.77	9.97	7.97	8.34	5.25	4.53	1.13	57.33
<u>1920</u>													
Direct	2.47	4.56	2.37	4.13	7.78	17.23	16.96	13.17	7.96	5.72	7.21	6.77	73.00
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.47	4.56	2.37	4.13	7.78	17.23	16.96	13.17	7.96	5.72	7.21	6.77	73.00
<u>1921</u>													
Direct	3.72	4.93	6.92	4.65	6.92	2.55	10.54	10.12	6.35	5.51	5.80	3.89	46.64
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.72	4.93	6.92	4.65	6.92	2.55	10.54	10.12	6.35	5.51	5.80	3.89	46.64

Diversions By The Rocky Ford Highline Canal.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
													Oct.	Seasonal
1922														
Direct	2.71	2.08	3.16	2.55	7.01	13.23	5.98	6.77	3.24	3.19	2.44	3.47	41.97	55.83
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.71	2.08	3.16	2.55	7.01	13.23	5.98	6.77	3.24	3.19	2.44	3.47	41.97	55.83
1923														
Direct	3.11	2.50	3.98	4.29	5.84	15.12	19.14	8.70	7.93	3.23	4.63	1.32	64.25	79.79
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.11	2.50	3.98	4.29	5.84	15.12	19.14	8.70	7.93	3.23	4.63	1.32	64.25	79.79
1924														
Direct	1.16	2.89	5.87	9.49	11.83	16.44	5.74	5.21	3.87	4.48	4.54	2.70	57.06	74.22
Reservoir	0	0	0	0	0	0	0	1.30	0	0	0	0	1.30	1.30
Total	1.16	2.89	5.87	9.49	11.83	16.44	5.74	6.51	3.87	4.48	4.54	2.70	58.36	75.52
1925														
Direct	0.92	3.21	4.41	3.87	5.19	5.83	9.24	7.25	5.11	5.21	2.60	1.53	41.70	54.37
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.92	3.21	4.41	3.87	5.19	5.83	9.24	7.25	5.11	5.21	2.60	1.53	41.70	54.37
1926														
Direct	2.72	4.85	5.38	5.55	7.67	12.31	7.78	6.65	4.25	3.97	3.86	3.44	48.18	68.43
Reservoir	0	0	0	0	0	0	0	2.59	0.45	0	0	0	3.04	3.04
Total	2.72	4.85	5.38	5.55	7.67	12.31	7.78	9.24	4.70	3.97	3.86	3.44	51.22	71.47

Diversions By The Rocky Ford Highline Canal.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	A. r. -	
1927													Oct.	Seasonal.
Direct	3.39	3.44	5.03	4.01	5.04	10.23	9.18	9.32	5.90	5.73	5.42	4.12	49.41	70.51
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.39	3.44	5.03	4.01	5.04	10.23	9.18	9.32	5.90	5.73	5.42	4.12	49.41	70.51
1928														
Direct	3.63	4.10	5.08	3.70	16.49	14.54	11.33	5.10	3.73	4.59	5.28	2.80	59.48	80.37
Reservoir	0	0	0	0	0	0	0	2.40	0.96	0	0	0	3.36	3.36
Total	3.63	4.10	5.08	3.70	16.49	14.54	11.33	7.50	4.69	4.59	5.28	2.80	62.84	83.73
1929														
Direct	2.96	1.73	5.35	3.77	5.33	12.95	9.63	12.64	9.63	6.06	3.17	1.90	60.01	75.12
Reservoir	0	0	0	0.58	1.03	0	0	0	0	0	0	0	1.61	1.61
Total	2.96	1.73	5.35	4.35	6.36	12.95	9.63	12.64	9.63	6.06	3.17	1.90	61.62	76.73
1930														
Direct	1.32	2.11	5.71	4.32	5.38	6.02	6.20	12.60	6.90	4.96	2.02	1.78	48.38	61.32
Reservoir	0	0	0	0	0	0	1.17	0	0	0	0	0	1.17	1.17
Total	1.32	2.11	5.71	4.32	5.38	6.02	7.37	12.60	6.90	4.96	2.02	1.78	49.55	62.49
1931														
Direct	1.27	2.37	5.31	4.57	8.92	6.88	3.72	3.46	3.93	2.55	2.21	3.63	34.03	48.82
Reservoir	0	0	0	0	0	0.17	1.19	0	0	0.03	0.04	0	1.39	1.43
Total	1.27	2.37	5.31	4.57	8.92	7.05	4.91	3.46	3.93	2.58	2.25	3.63	35.42	50.25

Diversions By The Rocky Ford Highline Canal.
1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.
1932													Oct. Seasonal.
Direct	2.54	3.36	3.10	3.30	4.54	9.50	8.45	6.97	3.88	4.02	5.15	2.78	40.66
Reservoir	0	0	0	0	0	0	2.07	0.20	0	0	0	0	2.27
Total	2.54	3.36	3.10	3.30	4.54	9.50	10.52	7.17	3.88	4.02	5.15	2.78	42.93
1933													
Direct	4.18	3.72	3.47	3.63	6.66	14.19	7.69	7.60	4.52	3.47	3.73	5.62	47.76
Reservoir	0	0	0	0	0	0	1.94	2.03	0	0	0	0	3.97
Total	4.18	3.72	3.47	3.63	6.66	14.19	9.63	9.63	4.52	3.47	3.73	5.62	51.73
1934													
Direct	5.55	4.49	4.35	3.40	4.99	3.88	3.57	3.54	3.58	3.47	2.99	3.47	26.43
Reservoir	0	0	0	0.22	0.90	0.03	0.97	0	0	0	0	0	2.12
Total	5.55	4.49	4.35	3.62	5.89	3.91	4.54	3.54	3.58	3.47	2.99	3.47	28.55
1935													
Direct	3.50	3.14	3.47	3.36	7.45	17.99	8.70	4.90	5.37	5.58	4.54	4.47	53.35
Reservoir	0	0	0	0	0	0	1.11	3.29	0.07	0	0	0	4.47
Total	3.50	3.14	3.47	3.36	7.45	17.99	9.81	8.19	5.44	5.58	4.54	4.47	57.82
1936													
Direct	3.14	2.77	3.56	3.95	13.76	11.47	7.03	7.82	4.41	5.58	3.83	3.18	54.02
Reservoir	0	0	0	0	0.02	0	2.73	2.10	0.66	0	0	0	5.51
Total	3.14	2.77	3.56	3.95	13.78	11.47	9.76	9.92	5.07	5.58	3.83	3.18	59.53
													76.01

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Diversions By The Rocky Ford Highline Canal.

1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1937</u>														
Direct	1.71	2.43	4.05	4.56	6.91	9.91	4.61	4.92	5.52	3.54	2.41	2.79	39.97	53.36
Reservoir	0	0	0	0	0	0.28	2.17	2.62	0	0	0	0	5.07	5.07
Total	1.71	2.43	4.05	4.56	6.91	10.19	6.78	7.54	5.52	3.54	2.41	2.79	45.04	58.43
<u>1938</u>														
Direct	4.29	3.92	3.55	3.88	6.96	23.96	8.99	5.54	2.83	5.58	3.68	3.76	63.74	82.94
Reservoir	0	0	0	0	0	0	1.49	2.75	.37	0	0	0	4.61	4.61
Total	4.29	3.92	3.55	3.88	6.96	23.96	10.48	8.29	9.20	5.58	3.68	3.76	68.35	87.55
Maximum	5.55	4.93	6.92	9.49	16.49	23.96	19.14	13.64	9.63	6.06	7.21	6.77	74.39	96.68
Minimum	0.92	1.70	1.78	2.55	4.54	2.55	4.54	3.46	3.24	2.58	2.02	1.13	28.55	49.40
Mean	2.73	3.08	4.17	4.31	8.02	13.11	10.24	8.30	5.46	4.82	4.24	3.22	54.26	71.70

* Sum of Mean Months.

Reservoir water from up-stream sources.

Diversions By The Oxford Farmers Canal.
1912 to 1938

From Arkansas River Values in 1,000 Acre-Feet.										Source of Information: See Introduction.			
Headgate Location: S. 31, T. 21 S., R. 60 W.													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
<u>1912</u>													
Direct	0.12	0	0.31	2.09	4.00	4.77	6.69	2.34	1.56	0.89	0.81	0.67	22.64
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.12	0	0.31	2.09	4.00	4.77	6.69	2.34	1.56	0.89	0.81	0.67	22.64
<u>1913</u>													
Direct	0.49	0.15	1.05	1.15	1.63	5.74	3.82	0.96	0.71	0	0.33	1.09	14.01
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.49	0.15	1.05	1.15	1.63	5.74	3.82	0.96	0.71	0	0.33	1.09	14.01
<u>1914</u>													
Direct	0.13	1.33	1.73	1.05	5.02	4.77	5.31	5.23	0.79	1.42	2.72	1.56	23.59
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.13	1.33	1.73	1.05	5.02	4.77	5.31	5.23	0.79	1.42	2.72	1.56	23.59
<u>1915</u>													
Direct	0.92	0.86	1.16	2.16	4.67	4.60	6.51	4.10	4.63	1.78	2.27	2.02	28.45
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.92	0.86	1.16	2.16	4.67	4.60	6.51	4.10	4.63	1.78	2.27	2.02	28.45
<u>1916</u>													
Direct	1.13	1.13	1.09	2.41	4.45	5.96	5.77	5.61	1.65	0.67	1.51	1.76	26.52
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.13	1.13	1.09	2.41	4.45	5.96	5.77	5.61	1.65	0.67	1.51	1.76	26.52

Diversions By The Oxford Farmers Canal.

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1917</u>														
Direct	0.70	0.60	1.16	0.75	3.31	6.08	7.46	2.94	1.89	2.01	2.60	1.77	24.44	31.27
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.70	0.60	1.16	0.75	3.31	6.08	7.46	2.94	1.89	2.01	2.60	1.77	24.44	31.27
<u>1918</u>														
Direct	0.66	0.69	1.59	2.01	1.63	5.59	5.60	1.11	2.37	1.56	1.51	0.70	19.87	25.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.66	0.69	1.59	2.01	1.63	5.59	5.60	1.11	2.37	1.56	1.51	0.70	19.87	25.02
<u>1919</u>														
Direct	0.01	0.14	1.96	2.05	4.35	4.67	5.05	2.53	1.72	1.35	0.77	0	21.72	24.60
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.01	0.14	1.96	2.05	4.35	4.67	5.05	2.53	1.72	1.35	0.77	0	21.72	24.60
<u>1920</u>														
Direct	0	0	2.28	0.87	3.56	5.96	6.21	5.43	1.93	0.75	1.73	1.03	24.76	29.90
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	2.28	0.87	3.56	5.96	6.21	5.43	1.93	0.75	1.73	1.03	24.76	29.90
<u>1921</u>														
Direct	0.57	1.36	3.00	2.95	5.61	2.80	6.62	0.26	0.27	1.15	2.60	1.42	19.66	23.61
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.57	1.36	3.00	2.95	5.61	2.80	6.62	0.26	0.27	1.15	2.60	1.42	19.66	23.61

Diversions By The Oxford Farmers Canal.
1912 to 1935
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1922</u>													
Direct	1.47	0.68	0.58	1.94	2.31	4.27	2.53	2.77	0.79	0.99	0.59	0.12	16.20
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.47	0.68	0.58	1.94	2.31	4.27	2.53	2.77	0.79	0.99	0.59	0.12	16.20
<u>1923</u>													
Direct	0.46	0.38	0.52	0.96	2.65	3.91	4.79	2.53	4.09	1.48	0.43	0.81	20.46
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.46	0.38	0.52	0.96	2.65	3.91	4.79	2.53	4.09	1.48	0.43	0.81	20.46
<u>1924</u>													
Direct	0.49	0.60	0.92	2.10	4.66	4.86	4.52	1.29	1.04	1.06	1.20	0.48	19.53
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.49	0.60	0.92	2.10	4.66	4.86	4.52	1.29	1.04	1.06	1.20	0.48	19.53
<u>1925</u>													
Direct	0.19	0.56	1.38	0.80	2.64	4.59	4.14	2.24	1.31	1.41	0.32	0.29	17.13
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.19	0.56	1.38	0.80	2.64	4.59	4.14	2.24	1.31	1.41	0.32	0.29	17.13
<u>1926</u>													
Direct	0.33	1.03	1.02	2.39	4.28	5.38	4.59	1.91	0.79	1.04	2.33	1.11	20.38
Reservoir	0	0	0	0	0	0	0	0	0.36	0	0	0	0.36
Total	0.33	1.03	1.02	2.39	4.28	5.38	4.59	1.91	1.15	1.04	2.33	1.11	20.74

Diversions By The Oxford Farmers Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
<u>1927</u>													Oct.	Seasonal.
Direct	0.91	1.14	1.46	1.52	3.07	5.06	4.98	2.64	2.08	3.47	2.05	0	22.82	28.38
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.91	1.14	1.46	1.52	3.07	5.06	4.98	2.64	2.08	3.47	2.05	0	22.82	28.38
<u>1928</u>														
Direct	0.58	2.10	1.33	0.92	3.56	3.36	6.32	3.28	0.89	0.94	1.75	1.71	19.27	26.74
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.58	2.10	1.33	0.92	3.56	3.36	6.32	3.28	0.89	0.94	1.75	1.71	19.27	26.74
<u>1929</u>														
Direct	0	0	0.42	0.91	3.10	7.03	5.52	4.38	3.90	4.04	2.46	0	28.88	31.76
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0.42	0.91	3.10	7.03	5.52	4.38	3.90	4.04	2.46	0	28.88	31.76
<u>1930</u>														
Direct	0	0	1.99	0.83	1.51	5.90	3.18	4.42	4.92	0.64	1.35	0.04	21.40	24.78
Reservoir	0	0	0	0	0	0	0.53	0	0	0	0	0	0.53	0.53
Total	0	0	1.99	0.83	1.51	5.90	3.71	4.42	4.92	0.64	1.35	0.04	21.93	25.31
<u>1931</u>														
Direct	0	0	1.12	1.35	3.42	3.21	1.25	0.89	0.94	1.88	0.60	0.14	12.94	14.80
Reservoir	0	0	0	0	0	0	0.36	0	0	0	0	0	0.36	0.36
Total	0	0	1.12	1.35	3.42	3.21	1.61	0.89	0.94	1.88	0.60	0.14	13.30	15.16

Diversions By The Oxford Farmers Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1932													
Direct	0.39	0.47	0.74	0.72	2.77	7.15	4.79	3.08	0.30	0.85	0.82	0.36	20.16
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.39	0.47	0.74	0.72	2.77	7.15	4.79	3.08	0.30	0.85	0.82	0.36	20.16
1933													
Direct	0.62	0.36	0.86	0.80	3.08	4.33	3.20	3.46	1.20	0.79	0.71	2.07	16.86
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.62	0.36	0.86	0.80	3.08	4.33	3.20	3.46	1.20	0.79	0.71	2.07	16.86
1934													
Direct	2.48	0.97	0.95	0.84	2.05	1.30	1.05	0.98	1.11	0.86	0.82	0.85	8.19
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.48	0.97	0.95	0.84	2.05	1.30	1.05	0.98	1.11	0.86	0.82	0.85	8.19
1935													
Direct	0.90	0.90	0.87	0.81	2.57	4.63	5.88	2.45	1.25	0.36	0.73	0.63	18.45
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.90	0.90	0.87	0.81	2.57	4.63	5.88	2.45	1.25	0.36	0.73	0.63	18.45
1936													
Direct	0.63	0.34	0.85	0.76	3.92	5.67	2.73	3.47	1.04	0.81	0.13	1.55	18.40
Reservoir	0	0	0	0	0	0	0.43	0	0	0	0	0	0.43
Total	0.63	0.34	0.85	0.76	3.92	5.67	3.16	3.47	1.04	0.81	0.13	1.55	18.83

Diversions By The Oxford Farmers Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	A. r. - Oct. Seasonal.
<u>1937</u>													
Direct	0.36	0.54	0.92	0.78	5.00	5.03	2.02	1.70	1.86	0.87	0.85	0.74	17.31
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.36	0.54	0.92	0.78	5.00	5.03	2.02	1.70	1.86	0.87	0.85	0.74	17.31
													20.72
<u>1938</u>													
Direct	0.81	0.63	0.89	1.31	3.87	5.52	5.33	2.06	2.60	1.13	1.74	1.44	21.82
Reservoir	0	0	0	0	0	0	0	0.60	0	0	0	0	0.60
Total	0.81	0.63	0.89	1.31	3.87	5.52	5.33	2.66	2.60	1.13	1.74	1.44	22.42
													27.93
Maximum	2.43	2.10	3.00	2.95	5.61	7.15	7.46	5.61	4.92	4.04	2.72	2.07	28.88
													35.68
Minimum	0	0	0.31	0.72	1.51	1.30	1.05	0.26	0.27	0	0.13	0	8.19
													14.26
Mean	0.57	0.63	1.19	1.38	3.43	4.92	4.71	2.77	1.81	1.28	1.32	0.90	*20.30
													*24.91

* Sum of Mean Months.

Reservoir water from up-stream sources.

MONTHLY CANAL DIVERSION TABLES

Arkansas River Basin

Arkansas River

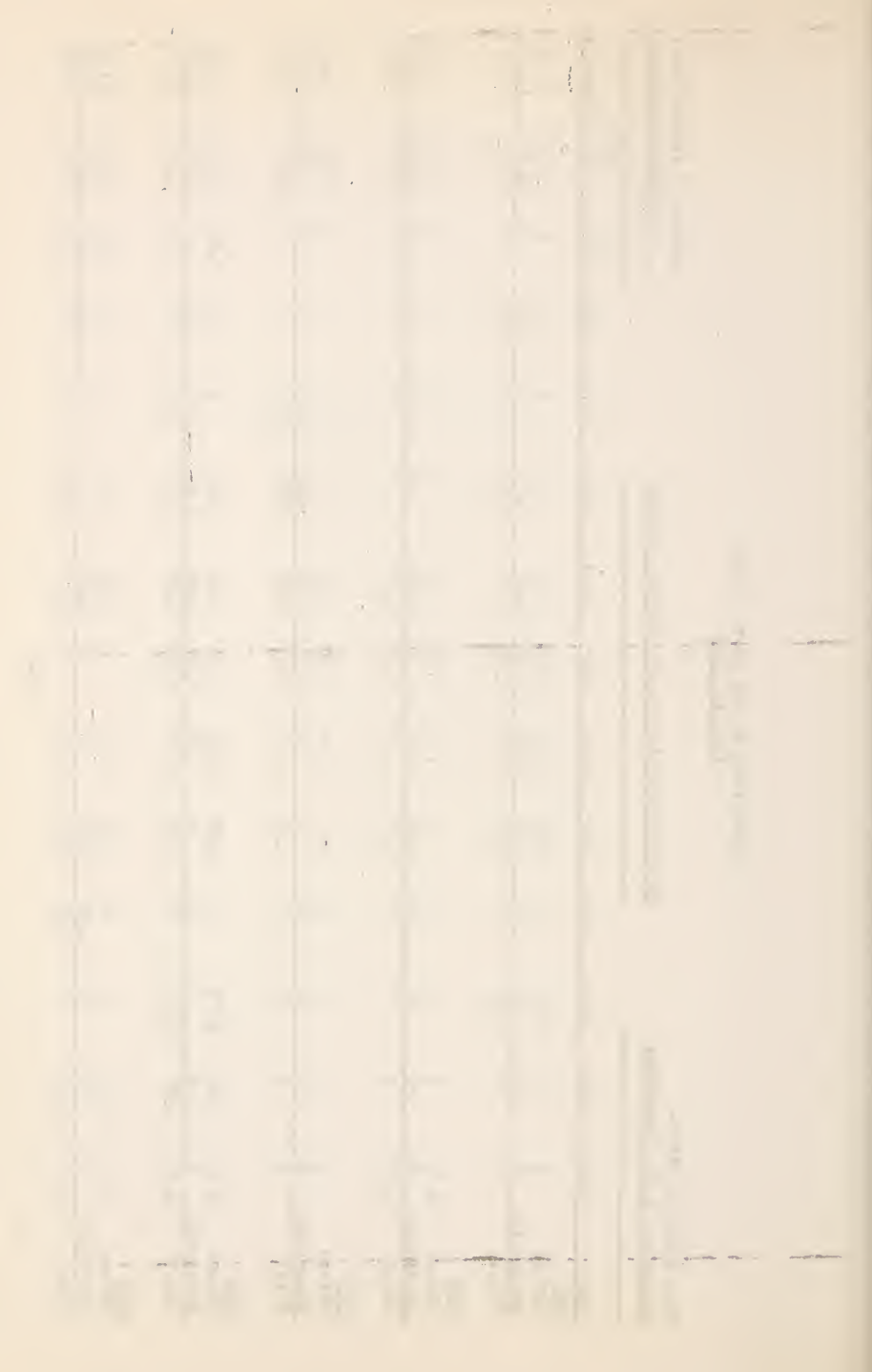
WATER DISTRICTS NO'S. 14 and 17

Nepesta to La Junta, Colorado.

1926 to 1938

Diversions By The Otero Canal.
1912 to 1938

From Arkansas River. Values in 1,000 Acre-Feet		Headgate Location: S.17, T.22S., R.59W.										Source of Information: See Introduction.	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1912</u>													
Direct	0	0	0.05	0	0.58	2.19	3.25	3.32	0	0	0	0	15.34 15.39
Reservoir	0	0	0	0	2.31	1.00	1.14	3.42	0.93	0	2.58	0	8.80 11.38
Total	0	0	0.05	0	2.89	9.19	4.39	6.74	0.93	0	2.58	0	24.14 26.77
<u>1913</u>													
Direct	0.18	0	0	0	0	1.47	0.75	0	0	0	0	0	2.22 2.40
Reservoir	0	0	0	0	5.99	0	0	0.46	0	0	0	0	6.45 6.45
Total	0.18	0	0	0	5.99	1.47	0.75	0.46	0	0	0	0	8.67 8.85
<u>1914</u>													
Direct	0	0	0	0	7.21	6.44	5.80	5.24	0	0	0	0	24.69 24.69
Reservoir	0	0	0	0	0	0	0.25	0.81	0.06	3.13	0	0	4.25 4.25
Total	0	0	0	0	7.21	6.44	6.05	6.05	0.06	3.13	0	0	28.94 28.94
<u>1915</u>													
Direct	0.33	0.86	0.33	0	5.09	9.72	2.51	6.04	0.69	0	1.44	0.29	24.05 27.30
Reservoir	0	0	0	0	0	0	3.04	0.20	0.86	1.85	0	0	5.95 5.95
Total	0.33	0.86	0.33	0	5.09	9.72	5.55	6.24	1.55	1.85	1.44	0.29	30.00 33.25
<u>1916</u>													
Direct	0.55	0.53	0	0	0.37	4.47	0	1.20	0.43	0	1.47	1.89	6.47 10.91
Reservoir	0	0	0	1.38	3.53	0	0	2.06	0	0	0	0	6.97 6.97
Total	0.55	0.53	0	1.38	3.90	4.47	0	3.26	0.43	0	1.47	1.89	13.44 17.88



Diversions By The Otero Canal.

1912 to 1936

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
1917														
Direct	0	1.15	0.45	0	0	8.73	2.43	0	0.25	0	0	0	11.41	13.91
Reservoir	0	0	0	0	0	0	0	3.72	0	0	0	0	3.72	3.72
Total	0	1.15	0.45	0	0	8.73	2.43	3.72	0.25	0	0	0	15.13	16.73
1918														
Direct	0.17	0	0	0	0	6.01	1.52	0	0.36	0	0	0.32	7.59	3.38
Reservoir	0	0	0	0	0	0	0	6.01	0	0	0	0	6.01	6.01
Total	0.17	0	0	0	0	6.01	1.52	6.01	0.36	0	0	0.32	13.60	14.39
1919														
Direct	0	0	0	0.79	2.78	1.05	0.83	0.34	0	0	0.14	0.10	6.29	6.53
Reservoir	0	0	0	0	0	0	5.03	0.45	0	0	0	0	3.48	3.48
Total	0	0	0	0.79	2.78	1.05	3.86	1.29	0	0	0.14	0.10	9.77	10.01
1920														
Direct	2.14	1.66	0.77	0	1.24	7.71	0.53	1.72	0.75	1.01	1.65	1.22	12.96	20.40
Reservoir	0	0.08	0	0	0	0	0	1.29	0	0	0	0	1.29	1.37
Total	2.14	1.74	0.77	0	1.24	7.71	0.53	3.01	0.75	1.01	1.65	1.22	14.25	21.77
1921														
Direct	0.23	0.15	0.13	0	0.09	4.86	7.12	1.03	0	0	0.20	0.62	13.10	14.43
Reservoir	0	0	0	0	3.44	0	0	0	0	1.90	0.56	0	5.34	5.90
Total	0.23	0.15	0.13	0	3.53	4.86	7.12	1.03	0	1.90	0.76	0.62	18.44	20.33

Diversion By The Otero Canal.
1912 to 1936
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ar.-- Oct. Seasonal.
<u>1922</u>													
Direct	0.26	1.22	0.33	0.23	0.61	1.90	0.30	0.40	0.11	0.05	0.10	0.50	3.60
Reservoir	0	0	0	0	3.73	0	0.90	0.90	0	0	0	0	5.53
Total	0.26	1.22	0.33	0.23	4.39	1.90	1.20	1.30	0.11	0.05	0.10	0.50	9.13
<u>1923</u>													
Direct	0.39	0.31	0.25	0	2.83	3.82	5.77	2.67	0.52	0	0	0	15.66
Reservoir	0	0	0	0	0.65	0	0	0	0	0	0	0	0.65
Total	0.39	0.31	0.25	0	3.53	3.82	5.77	2.67	0.52	0	0	0	16.31
<u>1924</u>													
Direct	0	0	0	0.30	4.12	5.17	3.55	4.10	0.44	0.10	0	0.54	17.78
Reservoir	0	0	0	0	2.02	0	3.67	4.25	0.45	0.10	0	0	10.49
Total	0	0	0	0.30	6.14	5.17	7.22	8.35	0.89	0.20	0	0.54	28.27
<u>1925</u>													
Direct	0.63	0.54	0	0.06	0.16	0.17	1.67	2.71	1.25	0	0.78	0.07	6.02
Reservoir	0	0	0	0.05	0.16	0	0	0.95	1.16	0	0	0	2.32
Total	0.63	0.54	0	0.11	0.32	0.17	1.67	3.66	2.41	0	0.78	0.07	8.34
<u>1926</u>													
Direct	0	0	0	0.25	2.31	3.59	0.84	0	0	0	0	0.73	6.99
Reservoir	0	0	0	0	1.36	0.27	3.78	1.22	0.70	0	0	0	7.33
Total	0	0	0	0.25	3.67	3.86	4.62	1.22	0.70	0	0	0.73	14.32

Diversions By The Otero Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1927</u>													
Direct	0.71	0.01	0.59	0	0	3.59	2.12	2.39	0.35	0.01	0	0.22	8.46
Reservoir	0	0	0	0.14	0.76	0	0	0.20	0.19	0	0	0.52	1.29
Total	0.71	0.01	0.59	0.14	0.76	3.59	2.12	2.59	0.54	0.01	0	0.74	9.75
													11.30
<u>1928</u>													
Direct	0.48	0.43	0.45	0	1.20	2.08	0.69	0	0	0	0	0	3.97
Reservoir	0	0	0	2.20	0	0.02	2.49	3.82	0.84	0	0	0	9.37
Total	0.48	0.43	0.45	2.20	1.20	2.10	3.18	3.82	0.84	0	0	0	13.34
													14.70
<u>1929</u>													
Direct	0.08	0.59	0.45	0	0	2.23	0.54	2.96	2.17	0.20	0.45	0	8.10
Reservoir	0	0	0	0	0.90	0	1.45	0.12	0.55	0	0	0	3.02
Total	0.08	0.59	0.45	0	0.90	2.23	1.99	3.08	2.72	0.20	0.45	0	11.12
													12.69
<u>1930</u>													
Direct	0.19	0	0	0	0.36	0.73	0.39	0.04	0.48	0.38	0.21	0	2.33
Reservoir	0	0	0	0	1.80	1.07	2.76	0	1.05	0	0	0	6.63
Total	0.19	0	0	0	2.16	1.80	3.15	0.04	1.53	0.38	0.21	0	9.06
													9.46
<u>1931</u>													
Direct	0	0.13	0.23	0.27	0.59	0.43	0	0	0	0	0.28	0.65	1.29
Reservoir	0	0	0	0	0.45	0.92	0.63	0.80	0	0	0	0	2.80
Total	0	0.13	0.23	0.27	1.04	1.35	0.63	0.80	0	0	0.28	0.65	4.09
													5.38

Diversions By the Otero Canal.

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	A. I. - Oct. Seasonal.
<u>1932</u>													
Direct	0.37	0.24	0	0	0	1.16	0.50	0	0	0	0	0	1.66
Reservoir	0	0	0	0	0	0	0.57	1.13	0	0	0	0	1.75
Total	0.37	0.24	0	0	0	1.16	1.07	1.13	0	0	0	0	3.41
<u>1933</u>													
Direct	0.43	0	0	0	0	4.13	0	0.43	0.09	0	0	0	4.70
Reservoir	0	0	0	0	0	0	1.03	1.46	0	0	0	0	2.54
Total	0.43	0	0	0	0	4.13	1.03	1.39	0.09	0	0	0	7.24
<u>1934</u>													
Direct	0.17	0	0	0	0	0	0	0	0.14	0	0	0	0.14
Reservoir	0	0	0	0	1.71	0.43	0.25	0	0	0	0	0	2.39
Total	0.17	0	0	0	1.71	0.43	0.25	0	0.14	0	0	0	2.53
<u>1935</u>													
Direct	0	0	0	0	1.16	3.06	0.27	0.15	0.25	0	0	0.55	4.39
Reservoir	0	0	0	0	0	0	1.99	3.10	0.46	0	0	0	5.55
Total	0	0	0	0	1.16	3.06	2.26	3.25	0.71	0	0	0.55	10.44
<u>1936</u>													
Direct	1.23	0.44	0	0	2.72	2.02	0.12	1.72	0.05	0	0	0	6.63
Reservoir	0	0	0	0.43	1.07	0.53	3.68	1.24	1.14	0	0	0	3.14
Total	1.23	0.44	0	0.43	3.79	2.60	3.80	2.96	1.19	0	0	0	14.77

Diversions By The Otero Canal.

1912 to 1935

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1937</u>													
Direct	0.09	0.54	0	0	0.09	0.30	0	0.46	0.98	0	0	0.31	1.83
Reservoir	0	0	0	0.99	1.60	0.71	1.64	0.94	0	0	0	0	5.88
Total	0.09	0.54	0	0.99	1.69	1.01	1.64	1.40	0.98	0	0	0.31	7.71
<u>1938</u>													
Direct	0.45	0.45	0	0	0.40	5.49	0.99	0.16	1.19	0	0.32	0.51	3.23
Reservoir	0	0	0	0	0	0	0.60	1.45	0	0	0	0	2.05
Total	0.45	0.45	0	0	0.40	5.49	1.59	1.61	1.19	0	0.32	0.51	10.28
Maximum	2.14	1.74	0.77	2.20	7.21	9.72	7.22	8.35	2.72	3.13	2.58	1.89	30.00
Minimum	0	0	0	0	0	0.17	0	0	0	0	0	0	2.53
Mean	0.34	0.35	0.15	0.26	2.43	3.54	2.79	2.83	0.70	0.32	0.33	0.33	*14.22

* Sum of Mean Months.

Reservoir water from up-stream sources.

Diversions By The Catlin Canal.
1912 to 1938

From Arkansas River.

Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S.7. T.22S., R.59E.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912														
Direct	1.71	1.48	1.42	5.10	8.90	13.60	13.77	9.36	3.70	6.34	4.37	3.67	60.77	73.42
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.71	1.48	1.42	5.10	8.90	13.60	13.77	9.36	3.70	6.34	4.37	3.67	60.77	73.42
1917														
Direct	1.14	1.30	6.52	6.97	10.68	11.93	12.77	3.51	6.48	8.37	5.37	1.89	60.71	76.93
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.14	1.30	6.52	6.97	10.68	11.93	12.77	3.51	6.48	8.37	5.37	1.89	60.71	76.93
1914														
Direct	1.20	1.17	1.05	6.96	9.77	7.85	12.11	11.34	10.97	6.85	4.78	2.69	65.85	76.74
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.20	1.17	1.05	6.96	9.77	7.85	12.11	11.34	10.97	6.85	4.78	2.69	65.85	76.74
1915														
Direct	0.79	0.54	3.37	4.37	10.00	13.47	13.75	11.56	12.57	5.87	5.24	2.77	71.59	84.30
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.79	0.54	3.37	4.37	10.00	13.47	13.75	11.56	12.57	5.87	5.24	2.77	71.59	84.30
1916														
Direct	1.86	3.98	11.97	9.30	13.59	16.36	16.67	11.92	7.99	8.92	5.20	1.91	84.75	109.67
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.86	3.98	11.97	9.30	13.59	16.36	16.67	11.92	7.99	8.92	5.20	1.91	84.75	109.67

Diversions By The Catlin Canal.
1912 to 1918
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	A.P.-	
													Oct.	Seasonal.
<u>1917</u>														
Direct	1.05	1.08	4.55	7.05	11.53	13.49	15.73	14.82	8.24	5.40	5.83	3.46	76.26	92.28
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.05	1.08	4.55	7.05	11.53	13.49	15.73	14.82	8.24	5.40	5.83	3.46	76.26	92.28
<u>1918</u>														
Direct	2.34	1.28	2.20	6.68	10.51	15.41	13.47	5.74	7.46	6.75	6.22	3.31	66.02	81.37
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.34	1.28	2.20	6.68	10.51	15.41	13.47	5.74	7.46	6.75	6.22	3.31	66.02	81.37
<u>1919</u>														
Direct	1.86	1.09	2.17	4.00	12.87	14.14	14.89	10.08	10.60	10.67	6.33	3.10	77.25	91.80
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.86	1.09	2.17	4.00	12.87	14.14	14.89	10.08	10.60	10.67	6.33	3.10	77.25	91.80
<u>1920</u>														
Direct	3.12	3.50	4.43	3.44	12.80	18.61	14.11	16.42	9.76	8.03	3.64	2.44	53.17	100.30
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3.12	3.50	4.43	3.44	12.80	18.61	14.11	16.42	9.76	8.03	3.64	2.44	53.17	100.30
<u>1921</u>														
Direct	1.28	1.66	2.89	7.11	14.96	8.85	11.79	8.87	12.85	6.69	5.37	2.55	71.12	84.87
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.28	1.66	2.89	7.11	14.96	8.85	11.79	8.87	12.85	6.69	5.37	2.55	71.12	84.87

Diversions By The Catlin Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.	Seasonal.
<u>1922</u>														
Direct	0.08	0.65	3.31	7.75	11.99	14.61	12.53	11.44	3.12	3.64	4.02	0.84	65.08	73.98
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.08	0.65	3.31	7.75	11.99	14.61	12.53	11.44	3.12	3.64	4.02	0.84	65.08	73.98
<u>1923</u>														
Direct	1.42	0.60	2.48	3.61	7.35	7.58	12.51	5.41	10.03	0.72	1.12	1.04	47.21	53.37
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.42	0.60	2.48	3.61	7.35	7.58	12.51	5.41	10.03	0.72	1.12	1.04	47.21	53.37
<u>1924</u>														
Direct	0.63	0.25	0.52	2.94	14.32	13.66	13.03	3.44	0.53	5.70	6.21	0.99	53.62	62.25
Reservoir	0	0	0	0	0	0	0	1.67	0.35	0.03	0	0	2.05	2.05
Total	0.63	0.25	0.52	2.94	14.32	13.66	13.03	5.11	0.88	5.73	6.21	0.99	55.67	64.30
<u>1925</u>														
Direct	0.62	0.91	3.29	0.04	9.06	14.78	9.25	8.55	9.25	2.71	0.93	0.69	53.64	60.08
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.62	0.91	3.29	0.04	9.06	14.78	9.25	8.55	9.25	2.71	0.93	0.69	53.64	60.08
<u>1926</u>														
Direct	0.91	1.44	5.43	4.92	15.75	14.53	16.25	8.51	2.04	7.00	5.36	2.96	69.00	88.10
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.91	1.44	5.43	4.92	15.75	14.53	16.25	8.51	2.04	7.00	5.36	2.96	69.00	88.10

Diversions By The Catlin Canal.

1912-1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1927</u>													
Direct	0.74	5.79	5.63	5.09	12.44	12.42	12.55	9.52	11.80	5.43	5.14	2.62	69.25
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.74	5.79	5.63	5.09	12.44	12.42	12.55	9.52	11.80	5.43	5.14	2.62	69.25
<u>1928</u>													
Direct	2.37	4.64	6.76	5.15	9.47	7.61	13.85	9.01	5.39	6.42	4.06	1.81	56.90
Reservoir	0	0	0	0	1.05	0	0	0	1.52	0	0	0	2.57
Total	2.37	4.64	6.76	5.15	10.52	7.61	13.85	9.01	6.91	6.42	4.06	1.81	59.47
<u>1929</u>													
Direct	1.28	1.12	5.20	2.80	3.75	15.36	14.03	12.47	10.27	3.13	4.16	2.48	72.36
Reservoir	0	0	0	0	0.56	0	0	0	0	0	0	0	0.86
Total	1.28	1.12	5.20	2.80	4.31	15.36	14.03	12.47	10.27	3.13	4.16	2.48	73.22
<u>1930</u>													
Direct	1.51	1.10	8.46	2.19	10.97	14.58	11.96	14.36	7.80	6.57	4.60	1.77	74.43
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.51	1.10	8.46	2.19	10.97	14.58	11.96	14.36	7.80	6.57	4.60	1.77	74.43
<u>1931</u>													
Direct	1.09	0.44	3.13	7.06	13.00	13.53	3.95	0.70	0.48	0.92	3.39	2.14	39.64
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.09	0.44	3.13	7.06	13.00	13.53	3.95	0.70	0.48	0.92	3.39	2.14	39.64

Diversion By The Catlin Canal.
1912 to 1933
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1932													
Direct	2.00	2.70	3.15	0.90	9.12	15.81	15.20	13.63	4.71	5.69	7.53	3.20	65.06
Reservoir	0	0	0	0	0	0	0.28	0	0	0	0	0	0.28
Total	2.00	2.70	3.15	0.90	9.12	15.81	15.48	13.63	4.71	5.69	7.53	3.20	65.34
1933													
Direct	2.09	1.50	1.04	3.01	11.56	12.34	11.30	7.74	5.25	1.00	7.04	7.75	52.20
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.09	1.50	1.04	3.01	11.56	12.34	11.30	7.74	5.25	1.00	7.04	7.75	52.20
1934													
Direct	5.48	6.34	4.31	1.52	13.28	5.06	1.69	1.73	0.91	0	0.02	3.13	24.19
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5.48	6.34	4.31	1.52	13.28	5.06	1.69	1.73	0.91	0	0.02	3.13	24.19
1935													
Direct	2.93	0.19	0.21	0	7.57	14.10	15.35	10.42	7.60	7.29	9.19	6.21	62.33
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.93	0.19	0.21	0	7.57	14.10	15.35	10.42	7.60	7.29	9.19	6.21	62.33
1936													
Direct	2.75	2.16	0.89	4.51	12.04	14.61	12.22	11.44	8.75	7.27	6.97	3.88	70.84
Reservoir	0	0	0	1.11	0	0	0	0	0	0	0	0	1.11
Total	2.75	2.16	0.89	5.62	12.04	14.61	12.22	11.44	8.75	7.27	6.97	3.88	71.95

Diversions By The Catlin Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1937													
Direct	1.41	1.96	6.24	8.51	12.04	13.05	10.67	3.45	5.93	1.72	2.28	3.50	55.37 70.76
Reservoir	0	0	0	0	0	0	0	2.74	0	0	0	0	2.74
Total	1.41	1.96	6.24	8.51	12.04	13.05	10.67	6.19	5.93	1.72	2.28	3.50	58.11 73.50
1938													
Direct	2.75	4.70	3.09	3.91	14.02	14.28	14.03	8.58	9.75	11.66	6.96	2.76	76.23 96.49
Reservoir	0	0	0	0	0	0	0	0.44	0	0	0	0	0.44
Total	2.75	4.70	3.09	3.91	14.02	14.28	14.03	9.02	9.75	11.66	6.96	2.76	76.67 96.93
Maximum	5.48	6.74	11.97	9.30	15.75	18.61	16.67	16.42	12.85	11.66	9.19	7.75	84.75 109.67
Minimum	0.08	0.19	0.21	0	7.35	5.06	1.69	0.70	0.48	0	0.02	0.69	24.19 43.47
Mean	1.72	1.98	3.84	4.89	11.49	13.02	12.58	9.22	7.26	5.81	4.98	2.80	*64.27 *79.59

* Sum of Mean Months.
Reservoir water from up-stream sources.

DISCUSSION OF OPERATION-LAKE (HOLBROOK) CANAL

The Lake (Holbrook) Canal, locally and herin referred to as Holbrook Canal, diverts water from the Arkansas River under two direct-flow decrees; one, dated 9-25-89, for 155 cubic feet per second, and another for 455 cubic feet per second, with a date of 8-30-93.

Direct-flow rights of the canal have been supplemented with storage rights in Holbrook Reservoir and Dye Lake, located near the right-of-way of the canal and several miles below its headgate.

The Holbrook Canal is allowed to divert water under an exchange arrangement by which it takes water through its headgate in exchange for an equal amount of storage water released to the river through the outlets to Holbrook and Dye Reservoirs. (See diagrams, inside back cover.) Likewise the canal occasionally receives exchange water from the Colorado Canal system, whereby the storage water from Lake Meridith is released to the river through its outlet and is in turn taken into the headgate of the Holbrook Canal. All exchange water is thus taken from and returned to the river in Water District No. 17, though the point of diversion of water is above the point where exchange water is returned to the river.

The diversions of the canal consist of the following kinds of water: River water used for direct irrigation, river water diverted to storage in Holbrook Reservoir and Dye Lake, water diverted from up-stream points including both reservoir and transmountain sources, and river water diverted for direct irrigation and returned to the river from storage water held in Holbrook Reservoir and Lakes Meridith and Dye.

In the Arkansas Valley Ditch Association reports "Diversions to Storage" and "Direct-flow Diversions are not segregated except in minor instances and are reported as "River Water". The Ansley report, covering the years 1922-1925, does segregate the above items but does not separate "Exchange Water" from "Up-stream Water" except as annual totals. A comparison of the sum of the monthly values of exchange water and up-stream

water from the A.V.D.A. reports, and the annual totals from the Ansley reports check very closely. For the Ansley years, 1922-1925, the A.V.D.A. figures were used for all up-stream water and the following set-up of values for the period 1912-1938 was carried out in the tables on pages 83 to 88 inclusive:

- A - Total Headgate Diversions to Holbrook Canal-equaling direct-flow water plus diversions to storage, through the canal, into Holbrook Reservoir and Dye Lake.
- B - Up-stream Reservoir Water Plus Transmountain Diversion Water.
- C - Exchange Water to Holbrook Canal-obtained under exchange arrangements, as explained above, from Lake Meridith.
- D - Total Diversions to Holbrook Canal-equaling A plus B plus C.

The above set-up excludes water obtained by exchange from Holbrook Reservoir and Dye Lake, since to include it would be to use it twice; once, as diversions to storage in "A" above, and again as Holbrook or Dye exchange to Holbrook Canal. The exchange water from Holbrook Reservoir and Dye Lake has been shown in separate tables on pages 39 to 90. Part of the water stored in the two reservoirs under the system is diverted directly for use without going through the exchange process. Therefore, the tables on pages 39 to 90 are not a true measure of the yield of the reservoirs and do not reflect the total amount of water diverted to the reservoirs as included in "A" above. On pages 134-137 there are shown tables of reservoir contents on the first of the month for the various reservoirs under the Colorado and Holbrook systems.

The mean annual amount appearing as total diversions by the Holbrook Canal, "D" above, is a true measure of the gross quantity of water diverted to the lands of the system, disregarding evaporation and seepage. However, due to the fact that many months contain water which is diverted to storage, it does not reflect the monthly distribution of diversion quantities to the land.

Diversions By The Lake (Holbrook) Canal.
1912 to 1938

From Arkansas River.												Source of Information:		
Values in 1,000 A cre-Feet.												See Introduction and pages 51-52.		
Headgate Location: S.24, T.22S., R.56W.														
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	A	4.76	2.24	2.14	0	2.02	15.03	7.59	5.48	0	0	2.59	30.12	41.85
	B	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	4.76	2.24	2.14	0	2.02	15.03	7.59	5.48	0	0	2.59	30.12	41.85
1913	A	4.01	2.49	1.73	0	0	3.19	0.55	0.12	0	0	5.90	3.56	17.99
	B	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	4.01	2.49	1.73	0	0	3.19	0.55	0.12	0	0	5.90	3.86	17.99
1914	A	4.62	2.35	0	0.75	11.49	10.77	9.17	8.33	0	1.41	0.55	41.92	53.01
	B	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	4.62	2.35	0	0.75	11.49	10.77	9.17	8.33	0	1.41	0.55	41.92	53.01
1915	A	2.31	4.48	0.14	0.94	2.94	10.13	4.99	7.09	0.75	0	3.12	5.00	41.89
	B	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	2.31	4.48	0.14	0.94	2.94	10.13	4.99	7.09	0.75	0	3.12	5.00	41.89
1916	A	3.77	3.50	0	0	1.30	7.35	1.08	3.53	0.46	0	5.12	4.64	30.75
	B	0	0	0	0	0.87	0	0	0.43	0	0	0	0	1.50
	C	0	0	0	0	0.30	0.40	0	0	0	0	0	0	0.70
	D	3.77	3.50	0	0	2.47	7.75	1.08	3.96	0.46	0	5.12	4.64	32.75

Diversions By The Lake (Holbrook) Canal.

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
<u>1917</u>														
A	1.66	5.42	1.38	0	0.77	15.48	7.03	1.46	1.45	0.43	0.53	2.18	26.67	37.84
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.66	5.42	1.38	0	0.77	15.48	7.03	1.46	1.45	0.43	0.53	2.18	26.67	37.84
<u>1918</u>														
A	0.73	1.50	1.04	0	1.79	18.44	4.46	2.42	0.74	1.16	2.09	3.05	29.01	37.47
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0.73	1.50	1.04	0	1.79	18.44	4.46	2.42	0.74	1.16	2.09	3.05	29.01	37.47
<u>1919</u>														
A	1.04	1.42	2.92	3.79	4.26	4.37	3.45	4.00	0.44	0.10	1.46	0.10	20.41	27.35
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.04	1.42	2.92	3.79	4.26	4.37	3.45	4.00	0.44	0.10	1.46	0.10	20.41	27.35
<u>1920</u>														
A	0.45	1.49	1.13	0	2.70	12.58	6.47	5.46	2.53	1.32	1.29	1.25	31.06	36.67
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0.45	1.49	1.13	0	2.70	12.58	6.47	5.46	2.53	1.32	1.29	1.25	31.06	36.67
<u>1921</u>														
A	1.31	0.96	0.50	0	0.97	3.34	14.08	14.69	5.96	0.09	4.35	3.76	39.13	50.01
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.31	0.96	0.50	0	0.97	3.34	14.08	14.69	5.96	0.09	4.35	3.76	39.13	50.01

Diversion By The Lake (Holbrook) Canal.

1912 to 1938

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1922													
A	3.18	4.47	2.29	0.51	2.40	6.10	1.09	2.94	0.14	0.20	0.18	4.22	13.38
B	0	0	0	0	0	0	0.96	0	0	0	0	0	0.96
C	0	0	0	0	0.93	0	0	0	0	0	0	0	0.93
D	3.18	4.47	2.29	0.51	3.33	6.10	2.05	2.94	0.14	0.20	0.18	4.22	15.27
													29.61
1923													
A	2.07	3.33	1.22	0	4.36	15.90	10.80	9.16	0.46	2.33	4.34	0.20	43.01
B	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	2.07	3.33	1.22	0	4.36	15.90	10.80	9.16	0.46	2.33	4.34	0.20	43.01
													54.17
1924													
A	0	2.59	3.68	3.44	7.99	14.72	2.82	0	0	0	0	5.87	28.97
B	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0.71	2.73	1.53	0.06	0	0	5.03
D	0	2.59	3.68	3.44	7.99	14.72	3.53	2.73	1.53	0.06	0	5.87	34.00
													46.14
1925													
A	1.22	1.58	0	0	3.31	0.32	7.32	5.88	0.06	0.09	3.72	1.66	16.98
B	0	0	0	0	**2.33	0	0	0	0	0	0	0	2.33
C	0	0	0	0	0	0.57	0	0	0	0	0	0	0.57
D	1.22	1.58	0	0	5.64	0.89	7.32	5.88	0.06	0.09	3.72	1.66	19.88
													28.06
1926													
A	2.03	2.84	0	1.08	6.70	10.45	4.03	0.79	0.19	0.01	1.28	2.07	23.30
B	0	0	0	0	0	1.36	0	0	0	0	0	0	1.36
C	0	0	0	0	0	0	0	1.07	0	0	0	0	1.07
D	2.03	2.84	0	1.08	6.70	11.81	4.03	1.86	0.19	0.01	1.28	2.07	25.73
													33.95

Diversions By The Lake (Holbrook) Canal.

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1927	A 2.62	0.21	1.04	0	0	6.96	10.63	8.95	1.03	0.51	0.86	2.54	25.50
	B 0	0	0	0	1.83	0	0	0	0	0	0	0	1.83
	C 0	0	0	0	0	0.55	0	0	0.85	0	0	0	1.40
	D 2.62	0.21	1.04	0	1.83	7.53	10.63	8.95	1.83	0.81	0.86	2.84	31.33
1928	A 4.70	1.79	0.86	0	12.76	5.16	2.99	0	0	0	2.61	5.38	20.91
	B 0	0	0	0	0.17	0	0	0	0	0	0	0	0.17
	C 0	0	0	0	0	0	0	3.77	0.28	0.18	0	0	4.23
	D 4.70	1.79	0.86	0	12.93	5.16	2.99	3.77	0.28	0.18	2.61	5.38	25.31
1929	A 1.16	1.05	2.63	0	0.62	4.62	3.44	16.45	5.04	1.91	4.03	1.69	32.08
	B 0	0	0	0	0	0	0	0	0	0	0	0	0
	C 0	0	0	0	4.23	0	0	0	0	0	0	0	4.23
1930	D 1.16	1.05	2.63	0	4.85	4.62	3.44	16.45	5.04	1.91	4.03	1.69	36.31
	A 0.10	4.59	0.33	0.20	1.53	3.77	2.48	9.41	2.29	3.42	3.68	5.63	23.10
	B 0	0	0	0	0	0	0	0	0	0	0	0	0
	C 0	0	0	0	0.46	1.90	1.46	0	0	0	0	0	3.82
	D 0.10	4.59	0.33	0.20	1.99	5.67	3.94	9.41	2.29	3.42	3.68	5.63	26.92
1931	A 0.73	1.27	2.13	0	5.50	1.28	0	0	0.07	0	1.00	4.03	6.85
	B 0	0	0	0	0	0	0	0	0	0	0	0	0
	C 0	0	0	0	1.06	1.67	1.30	0.05	0	0	0	0	4.08
	D 0.73	1.27	2.13	0	6.56	2.95	1.30	0.05	0.07	0	1.00	4.03	10.93

Diversion By The Lake (Holbrook) Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ar.-	
													Oct.	Seasonal.
<u>1932</u>														
A	2.77	0.74	0.21	0	0.22	5.84	5.52	0.58	0.21	0	0.24	1.77	12.37	13.10
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	2.77	0.74	0.21	0	0.22	5.84	5.52	0.58	0.21	0	0.24	1.77	12.37	13.10
<u>1933</u>														
A	1.62	0.97	0	0	8.80	11.51	1.96	4.79	1.83	0	0	0.48	28.89	31.96
B	0	0	0	0	0	0	0.17	1.11	0	0	0	0	1.28	1.28
C	0	0	0	0	0	0	0	0	0	0.17	0	0	0.17	0.17
D	1.62	0.97	0	0	8.80	11.51	2.13	5.90	1.83	0.17	0	0.48	30.34	33.41
<u>1934</u>														
A	0.30	0.62	0.17	0	0	0	0.03	0	1.07	0	0.11	0	1.15	2.35
B	0	0	0	0	0.94	0.64	0	0	0	0	0	0	1.58	1.58
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0.30	0.62	0.17	0	0.94	0.64	0.03	0	1.07	0	0.11	0	2.73	3.93
<u>1935</u>														
A	0	0	0	0	7.19	17.55	5.23	1.11	0.32	0	0	1.22	31.40	32.62
B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	7.19	17.55	5.23	1.11	0.32	0	0	1.22	31.40	32.62
<u>1936</u>														
A	4.26	2.82	0	0.03	9.33	5.56	6.99	7.34	0.20	0.56	0	1.54	30.51	39.43
B	0	0	0	0.83	0	0	0	0	0	0	0	0	0.83	0.83
C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	4.26	2.82	0	0.86	9.33	5.56	6.99	7.84	0.20	0.56	0	1.84	31.34	40.26

Diversions By The Lake (Holbrook) Canal.

1912 to 1933

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1937													
A	2.36	4.51	0.03	0	1.62	3.77	0	1.38	1.68	0	0	1.55	8.45
B	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	2.36	4.51	0.03	0	1.62	3.77	0	1.38	1.68	0	0	1.55	8.45
1938													
A	1.29	0.29	0	0	1.86	20.73	6.46	0.84	7.21	0	1.49	6.93	37.10
B	0	0	0	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1.29	0.29	0	0	1.86	20.73	6.46	0.84	7.21	0	1.49	6.93	37.10
Maximum	4.76	5.42	3.68	3.79	12.93	20.73	14.08	16.45	7.21	3.42	5.12	6.93	43.01
Minimum	0	0	0	0	0	0.64	0	0	0	0	0	0	2.73
Mean	2.04	2.20	0.95	0.43	4.28	8.97	5.02	4.83	1.36	0.53	1.57	2.87	*25.47

* Sum of Mean Months.

**Meridith water run direct to Holbrook Canal. No exchange with river.

For key to symbols, see pages 81 and 82.

Tables showing storage contents on the first of each month, 1921.1938, for Lake Henry, Lake Meridith, Holbrook Reservoir and Dye Lake are included on pages 134-137

Diversions By The Lake (Holbrook) Canal in Exchange for Holbrook Reservoir and Dye Lake Water.
1912 to 1938

From Arkansas River.		Headgate Location: S.24, T.22S., R.55E.												Source of Information.	
Values in 1,000 Acre-Feet.		See Introduction and pages 81-82.													
Year	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.	Apr.-					Seasonal.
										Oct.	Nov.	Dec.	Oct.		
1912	0	0	0	0	2.27	2.49	2.16	2.05	0.33	0	3.26	0	9.30	12.56	
1913	0	0	0	0	3.28	1.01	2.13	0.17	0	0	0	0	6.64	6.64	
1914	0	0	0	0	0	0	0	0	2.84	0	0	0	2.34	2.34	
1915	0	0	0	0	0	0	0.37	0	0	0	0.82	0	0.37	1.19	
1916	0	0	0	0	2.98	0.54	2.98	0.66	0.99	1.20	0	0	9.55	9.55	
1917	0	0	0	0	3.56	0	0	0	0	0	0	0	3.56	3.56	
1918	0	0	0	0	1.36	0.57	0	0	0	0	0	0	1.93	1.93	
1919	0	0	0	0	0	1.77	1.56	0.13	1.47	0	0	0	4.93	4.93	
1920	0	0	0	0	0.09	0	0	0.94	0	0	0	0	1.03	1.03	
1921	0	0	0	0	4.01	0	0	0	0	1.74	0	0	6.75	6.75	
1922	0	0	0	0	2.54	1.31	1.96	0.64	0	0	0	0	6.93	6.93	
1923	0	0	0	1.06	1.14	0	0	0	0	0	0	0	2.20	2.20	
1924	0	0	0	0	3.21	0.76	3.60	0.03	0	0	0.22	0	7.50	7.52	
1925	0	0	0	0	2.96	0.55	0	1.19	2.14	1.47	0	0	8.31	8.31	
1926	0	0	0	0	2.38	0.30	3.60	0.84	0	0.23	0	0	7.35	7.35	
1927	0	0	0	0	1.39	0.15	0	0	0	1.99	0	0	3.53	3.53	
1928	0	0	0.19	0	0	0	3.49	1.40	0	0	0	0	4.89	5.08	
1929	0	0	0	0	0.30	0.60	0	0	0.58	0	0	0	1.48	1.48	

Diversion By The Lake (Holbrook) Canal in Exchange for Holbrook Reservoir and Dye Lake Water.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1930	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	0	0	0	0	0	2.18	0	0	0	0.17	0	0	2.35
1932	0	0	0	0	2.90	1.59	0	1.45	0	0	0	0	5.94
1933	0	0	0	0.21	1.22	0.16	4.23	1.43	0.03	0	1.48	0.10	7.28
1934	0	0	0.23	0	1.72	0	0	0	0	0	0	0	1.72
1935	0	0	0	0	0	0.85	2.99	4.01	1.30	0	0.65	0	9.15
1936	0	0	0.31	1.65	1.15	2.50	4.47	3.93	0.04	0.95	0.01	0.84	14.69
1937	0	0	0	1.39	3.44	1.77	0	0	0	0.33	0	0	6.93
1938	0	0	0	0.50	1.72	0	1.37	2.78	1.10	2.41	0	0	9.83
Maximum	0	0	0.31	1.65	4.01	2.50	4.47	4.01	2.84	2.41	3.26	0.84	14.69
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0.03	0.18	1.62	0.72	1.29	0.81	0.40	0.39	0.24	0.03	*5.41

* Sum of Mean Months.

Direct Diversions By The Rocky Ford Canal.
1912 to 1938

Source of Information:
See Introduction.

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S 30, T.22S., R.57W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	0	0.44	0.72	3.00	6.05	7.02	6.92	6.47	4.67	2.54	1.59	2.21	36.67	41.63
1913	0.83	1.40	5.33	4.32	6.37	5.44	6.63	6.74	5.37	5.18	4.32	1.53	40.10	53.51
1914	1.45	0.59	2.36	4.42	4.63	5.65	6.73	7.12	4.56	4.59	4.44	1.55	37.76	48.15
1915	0.89	0.55	0.97	3.91	4.96	5.69	6.30	4.44	4.18	4.35	4.14	3.96	33.83	44.34
1916	2.07	2.00	5.94	4.85	6.90	6.68	6.94	4.52	3.94	2.35	2.90	2.36	36.18	51.45
1917	0.52	0.67	4.09	4.62	3.76	7.02	7.69	6.67	5.29	3.10	3.30	3.36	36.15	50.09
1918	1.70	1.27	3.49	4.52	6.78	6.76	7.15	6.57	6.38	5.00	3.19	2.92	43.16	55.73
1919	1.07	0.75	2.39	2.06	5.23	6.72	6.94	6.63	6.72	6.21	4.79	3.38	40.51	52.89
1920	3.24	2.79	4.28	4.56	5.71	6.96	6.29	6.70	3.97	3.98	3.84	4.64	38.17	56.96
1921	4.60	1.32	3.43	5.89	6.29	3.47	5.03	3.35	5.09	4.33	3.16	2.31	33.45	48.27
1922	0.30	0.33	1.29	2.97	5.47	4.30	4.71	5.28	4.16	2.84	1.50	0.66	29.73	33.81
1923	0.86	0.76	1.99	5.34	4.13	1.11	4.51	1.61	3.55	1.32	1.42	0.82	21.87	27.72
1924	0.24	0.16	0.69	2.02	5.70	5.65	5.37	5.85	4.78	2.74	2.80	0.49	32.61	36.99
1925	0.09	0.06	1.92	5.43	4.64	6.19	3.59	3.82	4.08	1.69	0.02	0.75	29.49	32.33
1926	0.61	1.55	1.93	3.43	6.33	5.62	6.10	6.23	5.41	4.16	3.97	1.81	37.28	47.15
1927	0.78	3.52	3.02	6.18	6.25	5.73	6.58	3.65	5.37	5.09	5.25	1.57	32.90	53.04
1928	1.25	2.93	5.24	6.07	4.88	4.10	6.68	6.64	6.05	6.16	3.35	1.72	40.58	55.57
1929	1.05	0.58	3.27	6.02	6.63	6.48	6.73	5.37	5.60	5.84	4.75	2.44	42.67	54.76

Direct Discharges By The Rocky Ford Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal
1930	1.04	0.61	2.03	6.19	4.52	5.93	6.52	5.72	4.38	3.33	2.73	2.19	36.64
1931	0.78	0	0.48	4.07	5.49	5.93	5.64	4.77	4.03	4.90	3.41	1.05	34.83
1932	0.55	1.29	3.57	5.05	6.38	6.30	6.21	6.43	5.12	4.27	4.21	1.39	39.76
1933	0.13	1.30	3.47	4.91	4.44	5.64	6.89	5.95	3.46	4.33	4.28	3.88	35.62
1934	1.84	1.78	2.79	5.90	6.64	5.62	3.54	5.92	3.15	3.16	5.00	1.20	33.93
1935	1.76	3.20	4.43	3.31	4.34	6.56	6.95	6.43	4.07	3.65	4.09	1.93	35.36
1936	0.99	0.64	5.34	5.56	5.53	6.36	6.27	4.70	4.73	2.59	5.20	1.95	35.74
1937	0	1.05	3.89	5.17	6.60	5.68	6.73	5.52	3.91	4.37	3.33	2.24	37.98
1938	1.12	1.31	4.50	5.94	5.38	5.95	6.06	6.24	3.99	4.50	3.95	1.95	35.06
Maximum	4.60	3.52	5.94	6.19	6.90	7.02	7.69	7.18	6.72	6.21	5.25	4.64	43.16
Minimum	0	0	0.48	2.02	3.76	1.11	3.54	1.61	3.15	1.32	0.02	0.49	21.87
Mean	1.10	1.22	3.07	4.66	5.56	5.73	6.17	5.54	4.67	3.95	3.48	2.11	*36.28
*Sum of Mean Months.													*47.26

****Diversions To Storage By The Irrigating and Storage (Ft. Lyon Storage) Canal.
1912 to 1938**

Source of Information:
See Pages 95-96.

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S.20, T.22S., R.57W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	1.86	2.33	3.15	0	0	0	2.42	5.78	0	0	0	1.79	8.20	17.83
1913	4.66	4.55	1.73	0	0	0.60	0	0	0	0	0	1.58	0.60	13.12
1914	7.58	8.68	0.14	1.89	27.47	21.95	21.26	11.20	0	0.12	1.58	9.50	83.89	111.37
1915	14.15	3.50	0.62	23.13	26.55	9.63	1.05	7.27	0.07	0	0	2.45	67.70	94.42
1916	2.61	0	0	0	0	0	0	3.00	0	0	0	2.62	3.00	8.23
1917	14.11	3.91	0	0	0	1.63	0	0	0.93	0	0	1.00	2.51	21.63
1918	5.00	9.03	0.65	0	0	12.00	4.58	0	0	0	1.61	1.76	16.58	34.69
1919	9.36	7.28	9.60	20.79	6.59	0	0	0	0	0	1.15	18.35	27.38	73.12
1920	15.00	0	0.30	0	0	4.95	0	2.20	4.10	0	0	5.55	11.25	32.10
1921	13.69	2.61	0	0	0	0	6.41	51.56	4.09	0	0	9.42	62.06	57.78
1922	17.49	9.90	3.56	0.46	1.55	0.38	0.09	0.96	0	0	0.40	2.75	3.44	37.54
1923	0	2.42	0	0	1.09	13.94	23.66	36.05	0.05	0.07	12.50	18.99	79.86	113.77
1924	0.25	0	3.97	12.89	1.67	30.83	0	0	0	0	0	0.77	45.39	50.38
1925	6.54	3.27	0	0	0.23	0	7.53	6.17	0	0	1.52	0.75	14.63	26.71
1926	8.23	1.26	0	0	2.44	9.15	0.18	0.14	0	0	0	1.38	11.91	22.78
1927	1.50	0	0.64	0	0	0.85	9.76	23.44	0.63	0	0	2.25	34.68	39.07
1928	2.00	0	0	0	15.40	30.95	0.97	0	0	0	0	5.29	47.32	54.61
1929	7.30	6.36	1.63	0	0	0.61	1.15	31.60	9.49	0.14	4.44	3.97	42.99	71.69

****Diversions To Storage By The Irrigating and Storage (Ft. Lyon Storage) Canal.**

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.	
1930	12.11	11.02	0	0	0	0	0.42	11.82	0	0	3.00	9.30	12.24	47.67
1931	6.70	1.50	1.50	0.59	0	0	0	0	0	0	0	0.54	0.59	10.83
1932	0.96	0.07	0	0	0	1.47	2.38	0.50	0	0	0	0	4.35	5.38
1933	0	0	0	0	6.99	6.27	1.81	4.60	2.07	0	0	0	21.74	21.74
1934	0	0	0	0	0	0	0.30	0	0.40	0	0	0	0.70	0.70
1935	0	0	0	0	4.10	3.38	2.40	0	0.50	0	0	0	10.38	10.38
1936	0	3.60	0	0	9.56	4.15	5.33	15.84	0	0	0	0	34.93	36.53
1937	0	0.42	0	0	0	1.89	0	0.50	1.42	0	0	0	3.81	4.23
1938	0	0	0	0	0	2.82	2.95	0.35	6.24	0	0	0	12.86	12.86
Maximum	17.49	11.02	9.60	23.13	27.47	30.95	28.66	51.56	9.49	0.14	12.50	18.99	83.89	113.77
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.70
Mean	5.60	3.05	1.02	2.21	3.86	5.83	3.69	7.91	1.11	0.01	0.37	4.11	*24.62	*39.37

*Sum of Mean Months.

**Diverts water for storage into Adobe and Horse Creek reservoirs for use of the Fort Lyon Canal Company.

DISCUSSION OF OPERATION -FORT LYON CANAL

The Fort Lyon Canal diverts water from the Arkansas River under three different decrees as follows: One, dated 4-15-84, for 164.64 cubic feet per second; a second, under date of 3-1-87, for 597.16 cubic feet per second; and a third, with a date of 8-31-93, for 171.20 cubic feet per second. (See diagrams, inside back cover.)

The direct-flow rights of the canal have been supplemented by storage rights in Adobe and Horse Creek Reservoirs, several miles north of the canal right-of-way, and in Queen's Reservoir of the Great Plains System, located about ten miles north of Lamar, Colorado. The Adobe and Horse Creek structures are filled by storage water taken through the Fort Lyon Storage Canal and by local run-off. Queen's Reservoir is supplied originally by the Kicking Bird Canal whose operation is covered briefly in the following discussion.

Diversions through the Fort Lyon Canal river headgate consist of direct-flow water for the Fort Lyon Canal, and of water diverted to storage through the Kicking Bird Canal, which diverts water from the canal about twelve miles northeast of Las Animas and carries storage water into the Great Plains Reservoirs. (See diagrams heretofore mentioned.) Most of the water diverted through the Kicking Bird Canal is used on Amity Canal Company lands, though the Fort Lyon Canal does have a first storage right of 5,483 acre-feet per year.

Diversions to the Fort Lyon and to the Kicking Bird Canals have been compiled from various sources as listed on page 96.

1. Fort Lyon Canal, Total Headgate Diversions.

1912-1913 Data furnished by the Fort Lyon Canal Company.
1914-1921 From printed reports of the Fort Lyon Canal Company
1922-1925 From the Ansley Report.
1926-1938 From printed reports of the Fort Lyon Canal Company.

2. Kicking Bird Canal, Diversions to Storage in Great Plains Reservoir System:

1912-1938 As for the Fort Lyon Canal except in certain instances as noted on the detailed monthly tables, pages 104-105.

3. Irrigating and Storage(Fort Lyon Storage) Canal, Diversions to Storage in Adobe and Horse Creek Reservoirs:

1912-1915 A.V.D.A reports.
1916-1921 From printed reports of the Fort Lyon Canal Company.
1922-1925 From the Ansley Report.
1926-1938 From printed reports of the Fort Lyon Canal Company.

4. Water Diverted to Fort Lyon Canal Company Lands from Adobe, Horse Creek and Queen's Reservoirs:

1912-1915 Data furnished by the Fort Lyon Canal Company.
1916-1921 From the printed reports of the Fort Lyon Canal Company.
1922-1925 From the Ansley Report.
1926-1938 From printed reports of the Fort Lyons Canal Company.

The tables showing diversions by the Fort Lyon Canal from direct and from storage sources have been set up as follows:

- A. Gross Headgate Diversions from the Arkansas River.
- B. Diversions to Storage in the Great Plains Reservoirs by the Kicking Bird Canal.
- C. Net Direct-Flow Headgate Diversions By The Fort Lyon Canal, equaling A minus B.
- D. Water Diverted to the Fort Lyon Canal Company Lands from Horse Creek, Adobe Creek and Queen's Reservoirs.
- E. Total Amount of Water Diverted for Lands under the Fort Lyon Canal System, equaling C minus D.

Diversions to Storage by the Kicking Bird Canal have been repeated in separate tables on pages 104-105 for ready reference.

****Diversions By The Fort Lyon Canal.**
1912 to 1938

Source of Information:
See Pages 95-96.

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S. 32. T. 23S., R. 55W.

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
														Oct.	Seasonal.
1912	A	2.01	11.67	15.31	10.30	17.72	67.42	47.89	26.73	11.84	13.90	9.88	9.51	195.80	244.18
	B	0	6.30	9.89	0	0	22.25	9.49	11.10	0	0	0	4.59	42.84	63.62
	C	2.01	5.37	5.42	10.30	17.72	45.17	38.40	15.63	11.84	13.90	9.88	4.92	152.96	180.56
	D	0	0	0	0	2.83	1.23	1.36	0.28	3.83	0	0	0	9.53	9.53
	E	2.01	5.37	5.42	10.30	20.55	46.40	39.76	15.91	15.67	13.90	9.88	4.92	162.49	190.09
1913	A	7.01	8.40	11.32	9.85	12.35	38.94	15.60	7.51	8.95	10.23	10.16	3.95	103.43	144.27
	B	1.60	4.00	1.05	0	0	7.74	0	0	0	0	0	1.20	7.74	15.59
	C	5.41	4.40	10.27	9.55	12.35	31.20	15.60	7.51	8.95	10.23	10.16	2.75	95.69	128.68
	D	0	0	0	3.80	7.52	2.67	1.85	0	0	0	0	0	15.87	15.87
	E	5.41	4.40	10.27	13.65	19.87	33.87	17.48	7.51	8.95	10.23	10.16	2.75	111.56	144.55
1914	A	12.64	9.50	10.23	10.88	63.36	53.45	67.86	43.55	9.64	16.05	22.79	6.13	264.79	326.08
	B	8.48	3.67	0	0	22.19	20.02	19.76	16.89	0	2.01	1.63	1.97	80.87	96.62
	C	4.16	5.83	10.23	10.88	41.17	33.43	48.10	26.66	9.64	14.04	21.16	4.16	183.92	229.46
	D	0	0	0	5.90	0.20	5.18	0	0.21	7.28	6.91	0.17	0	25.68	25.85
	E	4.16	5.83	10.23	16.78	41.37	38.61	48.10	26.87	16.92	20.95	21.33	4.16	209.60	255.31
1915	A	7.03	11.88	17.42	48.91	63.71	59.28	36.24	26.72	15.90	14.99	16.12	10.22	265.75	328.42
	B	4.92	6.00	10.61	20.82	30.65	21.66	6.06	8.95	0	0	5.46	9.56	88.14	124.69
	C	2.11	5.83	6.81	28.09	33.06	37.62	30.18	17.77	15.90	14.99	10.66	0.66	177.61	203.73
	D	0	0	0	0	0	0	0	0	4.51	0	0	0	4.51	4.51
	E	2.11	5.83	6.81	28.09	33.06	37.62	30.18	17.77	20.41	14.99	10.66	0.66	182.12	208.24

****Diversion By The Fort Lyon Canal.**
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1916	A 7.74	10.17	11.79	10.40	23.77	36.23	27.33	35.17	10.55	13.83	13.02	14.57	162.83
	B 6.76	6.63	0	0	0	0	0	11.23	1.28	0	3.33	10.93	220.17
	C 0.92	3.54	11.79	10.40	22.77	36.23	27.33	23.94	9.27	13.83	3.69	3.64	12.51
	D 0	0	6.90	11.70	5.30	4.30	4.10	5.85	10.70	3.90	0	0	150.37
	E 0.98	3.54	20.69	22.10	37.07	41.63	31.43	29.79	19.97	17.73	9.69	3.64	180.01
													58.25
													238.26
1917	A 9.42	10.31	11.37	9.06	21.34	52.10	29.02	17.72	13.05	16.04	11.52	10.79	153.33
	B 7.07	7.73	1.67	0	0	1.52	0.97	0	1.47	1.71	0.73	6.14	211.74
	C 2.35	2.58	9.70	9.06	21.34	50.58	28.05	17.72	11.58	14.33	10.79	4.65	5.67
	D 0	0	0.30	6.55	4.06	0.07	6.86	15.14	2.70	0.40	0	0	182.73
	E 2.35	2.58	10.00	15.61	25.40	50.65	34.91	32.86	14.28	14.73	10.79	4.65	35.72
													186.44
													216.61
1918	A 9.92	11.41	15.32	11.06	12.04	54.56	33.06	16.68	23.26	11.49	15.99	13.50	156.15
	B 7.44	5.58	6.30	0	0	2.14	1.00	0	1.98	0	3.76	3.71	5.12
	C 2.48	5.83	10.02	11.06	12.04	52.42	32.06	10.68	21.23	11.49	12.23	4.78	151.03
	D 0	0	0	0	10.30	0.83	3.89	11.78	15.69	2.38	0	0	186.38
	E 2.48	5.83	10.02	11.06	22.34	53.25	35.95	22.46	36.97	13.87	12.23	4.79	44.87
													231.25
1919	A 11.16	12.28	#17.90	#40.44	45.29	40.03	27.84	21.78	13.14	28.24	15.73	10.79	217.36
	B 7.37	9.21	12.61	24.13	13.24	0	1.53	1.05	0	3.01	5.00	8.09	#285.22
	C 3.79	3.07	5.29	16.31	32.65	40.03	26.26	20.73	13.14	25.23	10.73	2.70	43.01
	D 0	0	0	0	12.97	12.49	11.29	18.07	4.50	4.20	0	0	174.35
	E 3.79	3.07	5.29	16.31	45.62	52.52	37.55	38.80	17.64	29.43	10.73	2.70	199.93
													63.52
													263.45

Includes exchange water.

****Diversions By The Fort Lyon Canal.**

1912 to 1932
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1920	A 18.47	20.69	17.31	9.52	25.48	#19.49	35.57	#34.58	26.30	26.10	23.83	20.45	210.34
	-B 13.51	6.23	1.03	0	0	0	0	0	0	1.00	15.00	15.34	1.00
	C 4.96	11.36	16.28	9.52	25.48	#19.49	35.57	#34.58	26.30	25.10	8.83	5.11	209.34
	D 0	0	0	7.72	9.35	0	0.45	4.85	6.12	2.00	0	0	30.69
	E 4.96	11.36	16.25	17.24	35.03	#19.49	39.32	39.43	32.42	27.10	8.53	5.11	240.03
1921	A 13.32	21.74	17.73	11.06	24.53	10.00	10.75	9.14	6.50	12.98	24.64	15.60	12.98
	-B 9.93	16.00	1.56	0	0	0	0	0	0	0	0	11.45	0
	C 3.33	5.74	16.17	11.08	24.53	10.00	10.75	9.14	6.50	12.95	24.64	4.15	12.95
	D 0	0	0	1.91	14.44	5.35	6.27	13.50	10.53	15.60	0	0	67.60
	E 3.33	5.74	16.17	12.99	36.37	15.35	17.02	22.64	17.03	25.58	24.64	4.15	152.58
1922	A 6.73	6.63	15.21	12.60	17.53	45.53	23.94	16.06	9.31	10.03	11.03	9.51	135.05
	-B 6.73	3.49	3.41	3.84	0	0	0	0	0	0	0	0.25	3.54
	C 0	3.19	11.30	5.76	17.53	45.53	23.94	16.06	9.31	10.03	11.03	9.26	131.21
	D 0	0	0	3.49	18.79	7.36	23.64	16.76	1.01	3.02	0	0	72.27
	E 0	3.19	11.30	12.25	36.32	30.94	47.78	32.82	10.32	13.05	11.03	9.26	203.45
1923	A 12.32	7.96	10.46	9.96	20.95	36.89	53.79	35.27	22.32	41.23	44.51	15.99	220.44
	-B 0	0.40	2.02	0	0.91	2.72	15.20	25.55	13.23	28.18	39.68	15.96	85.79
	C 12.32	7.56	8.44	9.96	20.07	34.17	35.59	9.72	9.09	13.05	4.63	0.03	134.65
	D 0	0	0	0.30	0.94	1.65	1.60	6.55	9.24	0	0	0	20.28
	E 12.32	7.56	8.44	10.26	21.01	35.32	40.19	16.27	15.33	13.05	4.63	0.03	154.93

Includes some exchange water.

****Divisions By The Fort Lyon Canal.**
1912 to 1936
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1924	A 0.37	13.64	6.11	2.30	43.03	50.15	26.12	6.40	8.09	9.92	9.76	8.23	146.01
	-B 0	3.12	3.72	1.06	4.18	13.70	0	0	0	0	0	4.35	15.94
	C 0.37	10.52	2.33	1.24	38.85	36.45	25.12	6.46	5.09	9.92	9.76	3.82	127.07
	D 0.03	0	2.59	17.92	5.65	11.59	23.67	46.37	6.34	6.94	0	0	153.93
	E 0.40	10.52	4.92	19.16	47.50	43.34	31.79	52.77	14.43	16.56	9.76	3.53	126.40
													250.33
1925	A 9.50	9.17	10.15	3.30	12.47	17.40	35.00	23.55	10.02	14.16	4.33	13.05	116.20
	-B 6.05	5.04	0	0	0.09	0	2.02	1.92	0	0.10	0.10	3.91	4.13
	C 3.45	4.13	10.15	3.30	12.38	17.40	32.95	21.93	10.02	14.06	4.23	9.14	112.07
	D 0	0	0	4.01	12.15	1.07	0.11	2.31	17.12	6.52	0	0	143.17
	E 3.45	4.13	10.15	7.31	24.53	13.47	33.09	24.74	27.14	20.94	4.23	9.14	44.15
													157.52
1926	A 10.59	13.81	10.13	31.76	42.31	46.80	27.36	11.10	8.60	10.39	8.69	10.57	172.82
	-B 7.20	2.92	0	0	2.57	11.85	0.51	0	0	0	0	4.66	14.93
	C 3.39	10.83	10.13	31.76	59.74	34.95	27.55	11.10	8.60	10.39	8.69	5.91	163.89
	D 0	0	0	0	0	0	6.01	11.83	0.56	0.04	0	0	202.84
	E 3.39	10.83	10.13	31.76	39.74	34.95	33.36	22.93	9.46	10.43	8.69	5.91	15.74
													221.55
1927	A 9.19	9.35	9.26	8.42	13.23	45.96	39.48	42.40	15.52	13.95	11.32	12.23	169.02
	-B 4.50	0.27	1.59	0	0	0.87	7.33	15.08	1.45	0	0	5.16	25.23
	C 4.69	9.08	7.37	8.42	13.23	45.09	31.65	27.32	14.13	18.95	11.32	7.07	163.79
	D 0	0	0	0.25	1.25	0.22	0	0.92	1.97	5.72	0	0	203.32
	E 4.69	9.08	7.37	8.67	19.48	45.37	31.65	23.30	16.10	24.67	11.32	7.07	10.45
													213.77

****Divisions By The Fort Lyon Canal.**
1912 to 1936
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1928 A	11.82	13.26	10.79	8.87	50.42	60.12	35.19	13.98	9.68	10.28	6.55	3.50	191.54
-B	4.74	1.31	0.84	0	13.40	34.71	3.11	0.10	0	0	0.60	3.50	56.32
C	7.08	11.95	9.95	8.87	32.02	25.41	35.08	13.88	9.68	10.28	5.95	0	135.22
D	0	0	0	7.27	2.66	0	4.50	13.74	11.56	8.53	6.57	2.82	43.26
E	7.08	11.95	9.95	16.14	34.68	25.41	39.58	27.62	21.24	18.81	12.52	2.82	183.48
1929 A	9.79	9.92	14.76	7.78	18.42	45.15	30.80	51.57	40.84	24.92	27.91	15.06	219.48
-B	6.30	6.62	1.77	0	0	0.19	0.78	14.24	12.67	0.90	21.78	11.29	28.78
C	3.49	3.30	12.99	7.78	13.42	44.96	30.02	37.33	28.17	24.02	7.93	3.77	190.70
D	0	0	0.44	8.39	7.87	0	4.97	0.44	1.29	0.06	0	0	23.02
E	3.49	3.30	13.43	16.17	26.29	44.96	34.99	37.77	29.46	24.08	7.93	3.77	213.72
1930 A	9.04	17.76	13.09	9.12	14.99	35.08	21.27	42.36	23.85	15.00	8.49	5.34	161.67
-B	6.78	5.20	0	0	0.31	0.97	0.21	3.94	0.81	2.93	0.85	4.01	9.17
C	2.26	12.56	13.09	9.12	14.63	34.11	21.06	32.42	23.04	12.07	7.64	1.33	132.50
D	0	0	0	12.44	8.87	2.87	15.41	2.04	2.06	0.40	0	0	44.09
E	2.26	12.56	13.09	21.56	23.55	36.93	36.47	40.46	25.10	12.47	7.64	1.33	196.59
1931 A	5.70	11.57	13.21	10.29	25.36	25.15	7.56	5.10	1.87	7.53	9.23	11.13	82.86
-B	4.28	2.60	4.27	0	0	0	0	0	0	0	0.74	0.86	0
C	1.42	8.97	13.94	10.29	25.36	25.15	7.56	5.10	1.87	7.53	8.49	10.27	82.86
D	0	0	0	4.76	10.37	8.63	12.50	1.85	0.47	0	0	0	38.58
E	1.42	8.97	13.94	15.05	35.73	33.78	20.06	6.95	2.34	7.53	8.49	10.27	121.44

****Diversions By The Fort Lyon Canal.**
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr. -- Oct. Seasonal.
1932 A	7.11	8.05	9.08	6.93	17.38	38.96	26.06	14.99	8.77	7.81	9.70	5.23	121.45
-B	2.60	0.13	0	0	0	1.08	0.74	0.46	0	0	0	0	2.28
C	4.51	7.92	9.08	6.98	17.88	37.88	25.32	14.53	8.77	7.81	9.70	5.23	119.17
D	0	0	0	0	0.11	0	0.32	1.82	0	0	0	0	2.25
E	4.51	7.92	9.08	6.98	17.99	37.88	25.64	16.35	8.77	7.81	9.70	5.23	121.42
1933 A	8.24	5.96	7.48	6.15	21.03	49.27	18.14	19.60	16.56	8.58	9.41	12.90	139.33
-B	0	0	0	0	1.75	2.75	0.32	0.57	0	0	0	0	5.39
C	8.24	5.96	7.48	6.15	22.78	52.02	18.46	20.17	16.56	8.58	9.41	12.90	144.72
D	0	0	0	0	3.76	0	9.73	5.52	5.78	7.88	0	0	32.67
E	8.24	5.96	7.48	6.15	26.54	52.02	28.19	25.69	22.34	16.46	9.41	12.90	177.39
1934 A	14.86	9.40	9.81	8.55	11.27	7.71	4.33	4.08	5.31	3.50	6.54	9.75	44.75
-B	0	0.36	0.10	0	0	0	0	0	0	0	0	0	0.46
C	14.86	9.04	9.71	8.55	11.27	7.71	4.33	4.08	5.31	3.50	6.54	9.75	44.75
D	0	0	0	0	0	0	0	0	0	0	0	0	0
E	14.86	9.04	9.71	8.55	11.27	7.71	4.33	4.08	5.31	3.50	6.54	9.75	44.75
1935 A	9.29	8.28	4.76	1.72	23.89	47.19	34.25	15.88	17.02	10.83	9.23	9.82	150.78
-B	0	0	0	0	0	1.31	0	0	0	0	0	0	1.31
C	9.29	8.28	4.76	1.72	23.89	45.88	34.25	15.88	17.02	10.83	9.23	9.82	149.47
D	0	0	0	0	0	0	5.19	7.27	0	0.14	0	0	12.60
E	9.29	8.28	4.76	1.72	23.89	45.88	39.44	23.15	17.02	10.97	9.23	9.82	162.07

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****Diversion By The Fort Lyon Canal.
1912 to 1938
(Continued)**

Year		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
														Oct.	Seasonal.
1936	A	8.79	5.77	7.04	5.44	38.19	43.37	21.38	35.22	10.29	17.31	20.56	18.82	171.20	232.18
	-B	0	0	0	0	0.23	0	0.06	2.13	0	0	0	0.93	2.42	3.35
	C	8.79	5.77	7.04	5.44	37.96	43.37	21.32	33.09	10.29	17.31	20.56	17.89	168.78	228.83
	D	0	0	0	2.63	0	0	10.06	1.73	8.26	0	0	0	22.68	22.68
	E	8.79	5.77	7.04	5.07	37.96	43.37	31.38	34.82	18.55	17.31	20.56	17.89	191.46	251.51
1937	A	8.28	14.39	10.10	10.06	23.58	20.44	12.15	9.82	22.04	8.37	10.03	10.68	106.46	159.94
	-B	4.35	4.04	0	0	0	0	0.10	0.42	2.61	0	0	0	3.13	11.52
	C	3.93	10.35	10.10	10.06	23.58	20.44	12.05	9.40	19.43	8.37	10.03	10.68	103.33	148.42
	D	0	0	0	0	4.92	3.69	4.44	0	1.79	1.46	0.06	0	16.30	16.36
	E	3.93	10.35	10.10	10.06	28.50	24.13	16.49	9.40	21.22	9.83	10.09	10.68	119.63	164.73
1938	A	11.06	8.90	7.66	7.84	28.52	54.47	35.69	15.16	40.52	10.60	21.98	0.74	192.80	243.14
	-B	0	0	0	0	0.47	4.64	4.05	1.22	3.91	0	0	0	14.29	14.29
	C	11.06	8.90	7.66	7.84	28.05	49.83	31.64	13.94	36.61	10.60	21.98	0.74	178.51	228.85
	D	0	0	0	0	0	0	1.63	3.14	1.26	5.56	0	0	11.59	11.59
	E	11.06	8.90	7.66	7.84	28.05	49.83	33.27	17.08	37.87	16.16	21.98	0.74	190.10	240.44
Maximum	E	14.86	12.56	20.69	31.76	47.50	53.25	51.79	52.77	37.87	29.43	24.64	17.89	250.85	287.07
Minimum	E	0	2.58	4.76	1.72	11.27	7.71	4.33	4.08	2.34	3.50	4.23	0.03	44.75	94.65
Mean	E	4.84	7.13	10.01	13.77	29.72	39.08	32.57	25.01	18.71	16.13	11.21	5.85	*174.99	*214.03
Sum of Mean Months. ***Arbitrarily reduced from 4.33 as published in the publications of the Fort Lyon Canal Co.															

* Sum of Mean Months. ***Arbitrarily reduced from 4.33 as published in the publications of the Fort Lyon Canal Co.

**Key to letters:

- A. Gross Headgate Diversions.
- B. Kicking Bird to Great Plains Reservoirs.
- C. Net Headgate Diversions.
- D. Water diverted to Fort Lyon Lands from Horse Creek, Adobe and Queens Reservoir.
- E. Total diverted to Fort Lyon Lands.

Diversion to Storage By The Kicking Bird Canal.
1912 to 1932

From Fort Lyon Canal.
Values in 1,000 Acre-Feet.

Headrate Location: S. 16, T. 22S., R. 50W.

Source of Information:
See Pages 95-96.

Year												Apr.-	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Oct. Seasonal.
1912	0	6.30	9.89	0	0	22.25	9.49	11.10	0	0	0	4.59	42.84
1913	1.60	4.00	1.05	0	0	7.74	0	0	0	0	0	1.20	7.74
1914	3.48	3.67	0	0	22.19	20.02	19.76	16.69	0	2.01	1.63	1.97	30.87
1915	4.92	6.00	**10.61	20.82	30.65	21.66	6.06	3.95	0	0	5.46	9.56	38.14
1916	5.76	6.63	0	0	0	0	0	11.23	1.28	0	3.33	10.93	12.51
1917	7.07	7.73	1.67	0	0	1.52	0.97	0	1.47	1.71	0.73	6.14	5.67
1918	7.44	5.58	5.30	0	0	2.14	1.00	0	1.98	0	3.76	8.71	5.12
1919	7.37	9.21	12.61	24.13	13.24	0	1.58	1.05	0	3.01	5.00	3.09	43.01
1920	13.51	8.83	1.03	0	0	0	0	0	0	1.00	15.00	15.34	1.00
1921	9.99	16.00	1.56	0	0	0	0	0	0	0	0	11.45	0
1922	6.73	3.49	3.41	3.84	0	0	0	0	0	0	0	0.25	3.84
1923	0	0.40	2.02	0	0.91	2.72	15.20	25.55	13.23	23.18	39.83	18.96	25.79
1924	0	3.12	3.78	1.06	4.18	13.70	0	0	0	0	0	4.35	16.94
1925	6.05	5.04	0	0	0.09	0	2.02	1.92	0	0.10	0.10	3.91	4.13
1926	7.20	2.98	0	0	2.57	11.85	0.51	0	0	0	0	4.66	14.93
1927	4.50	0.27	1.89	0	0	0.87	7.83	15.08	1.45	0	0	5.16	25.23
1928	4.74	1.31	0.84	0	13.40	34.71	3.11	0.10	0	0	0.60	***3.50	56.32
1929	6.30	6.62	1.77	0	0	0.19	0.78	14.24	12.67	0.90	21.78	11.29	28.78

Diversions To Storage By The Kicking Bird Canal.

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--
1930	6.78	5.20	0	0	0.31	0.97	0.21	3.94	0.81	2.93	0.85	4.01	9.17
1931	4.28	2.60	4.27	0	0	0	0	0	0	0	0.74	0.86	0
1932	2.60	0.13	0	0	0	1.08	0.74	0.46	0	0	0	0	2.28
1933	0	0	0	0	1.75	2.75	0.32	0.57	0	0	0	0	5.39
1934	0	0.36	0.10	0	0	0	0	0	0	0	0	0	0.46
1935	0	0	0	0	0	1.31	0	0	0	0	0	0	1.31
1936	0	0	0	0	0.23	0	0.06	2.13	0	0	0	0.93	3.35
1937	4.35	4.04	0	0	0	0	0.10	0.42	2.61	0	0	0	11.52
1938	0	0	0	0	0.47	4.64	4.05	1.22	3.91	0	0	0	14.29
Maximum	13.51	16.00	12.61	24.13	30.65	34.71	19.76	25.55	13.23	28.18	39.88	18.96	88.14
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	4.47	4.06	2.29	1.85	3.52	5.56	2.73	4.25	1.46	1.48	3.66	5.03	*20.85

* Sum of Mean Months.

**Adjusted, Fort Lyon Canal Company.

***Arbitrarily reduced from 4.33 to equal total diversion of 3.50 by Fort Lyon Canal.

(See page 101.)

MONTHLY CANAL DIVERSION TABLES

Arkansas River Basin

Arkansas River

WATER DISTRICTS NO'S. 17 and 67

La Junta to Lamar, Colorado.

1912 to 1938

Direct Diversions By The Jones (Las Animas Consolidated) Ditch.
1912 to 1938

From Arkansas River
Values in 1,000 Acre-Feet.

From Arkansas River												Source of Information:		
Values in 1,000 Acre-Feet.												See Introduction.		
Headgate Location: S.9, T.23S., R.53W.														
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ar. - Oct. Seasonal.	
1912	0	0	0	0.43	2.45	4.26	4.35	3.51	2.39	1.85	1.65	0.93	19.24	21.82
1913	0.11	0	0.04	2.27	2.33	3.99	3.12	1.94	2.45	2.64	1.67	0.05	13.74	20.61
1914	0.02	0	0	1.73	3.07	4.09	4.48	3.94	2.99	1.26	1.62	1.41	21.56	24.61
1915	0.91	0.56	0.62	0.93	3.71	4.80	4.27	3.46	3.35	2.64	1.22	0.58	23.16	27.05
1916	0	0	0.81	3.00	3.26	3.37	3.22	2.11	2.98	3.08	1.76	0.53	21.02	24.12
1917	0	0	1.51	2.43	2.65	3.63	4.38	2.98	2.08	1.35	0.87	1.82	19.50	23.70
1918	0.20	0	1.95	2.35	1.99	3.54	4.24	2.44	2.46	2.67	2.58	0.72	21.69	27.14
1919	0	0	0	0	2.13	2.94	2.18	2.83	2.50	3.10	2.94	1.30	15.73	19.91
1920	1.24	0.32	0.91	1.88	2.97	4.59	4.39	3.12	3.06	3.16	0.66	0	23.17	26.30
1921	0	0	0.55	2.38	3.25	2.29	4.03	2.73	3.42	4.28	3.41	1.15	22.38	27.49
1922	0	0	1.19	1.12	3.20	6.02	3.46	2.99	2.17	2.17	1.45	0.61	21.13	24.38
1923	0.50	0.24	1.59	2.64	2.30	2.86	3.40	2.74	2.89	1.46	0.46	0	18.29	21.08
1924	0	0.02	0.42	1.72	3.81	5.89	4.24	3.00	1.76	2.18	2.24	0.52	22.60	25.80
1925	0	0.14	1.39	1.80	3.45	3.50	4.70	3.68	2.97	2.00	1.21	0.26	22.10	25.10
1926	0	0.74	2.33	2.67	4.79	4.00	4.63	2.56	1.31	2.50	2.79	1.00	22.46	29.32
1927	0	1.88	2.26	2.39	2.82	4.46	3.48	2.78	3.24	2.94	2.84	0.65	22.11	29.74
1928	0.31	1.28	2.50	2.45	2.36	2.46	4.42	3.05	2.40	2.09	0	0	19.23	23.32
1929	0.31	0.21	2.04	1.76	2.66	5.51	3.80	3.58	3.72	1.76	0	0	22.79	25.35

Direct Diversions By The Jones (Las Animas Consolidated) Ditch.
1912. to 1938
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Alt. - Oct. Seasonal.
1930	0.37	0.94	2.64	2.56	3.23	3.74	3.56	4.80	3.07	2.86	0.27	0	23.37
1931	0	0.80	1.60	2.80	3.44	3.15	1.70	0.92	1.04	0.59	1.26	0	13.64
1932	0	0.40	0.69	0.76	2.43	4.50	4.01	3.53	1.51	2.85	2.31	0.43	19.64
1933	0.10	0.66	1.12	0.83	3.51	6.50	3.25	3.62	2.81	1.76	2.20	1.98	22.33
1934	0.94	2.23	2.24	1.05	2.69	1.32	0.90	0.90	1.33	0.42	0.45	1.77	8.61
1935	1.16	1.00	0.43	0.37	2.22	4.01	4.04	2.73	2.44	1.66	2.36	0.98	17.47
1936	0.01	0.09	0.81	1.06	3.98	3.24	3.39	3.52	2.58	1.78	1.72	1.59	19.55
1937	0.15	0.56	2.25	2.50	3.92	1.16	2.66	1.74	2.24	1.19	1.41	0.70	15.41
1938	0.75	1.76	1.67	1.63	3.06	4.06	4.53	1.94	2.28	2.80	0.62	0	20.30
Maximum	1.24	2.23	2.64	3.00	4.73	6.50	4.70	4.80	3.72	4.28	3.41	1.98	23.87
Minimum	0	0	0	0	1.39	1.16	0.90	0.90	1.04	0.42	0	0	3.61
Mean	0.26	0.51	1.24	1.76	3.03	3.92	3.66	2.86	2.50	2.19	1.57	0.70	19.92
* Sum of Mean Months.													24.20

Direct Diversions By The Town Ditch of West Las Animas (Las Animas Town).
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1930	0.15	0	0.81	1.68	1.67	1.50	1.75	1.53	0.89	0.81	0.55	0	9.83
1931	0	0	0.52	1.35	1.50	1.81	1.66	1.02	0.60	1.08	0.43	0	9.02
1932	0	0.05	0.24	0.52	1.38	1.81	1.98	1.87	0.94	0.72	0.77	0.04	9.22
1933	0	0	0.93	1.16	0.72	1.62	1.59	1.43	0.93	0.82	0.68	0	8.32
1934	0	0	0.55	1.62	1.79	1.41	0.90	1.30	0.80	0.68	0.52	0	8.50
1935	0	0.09	1.43	0.72	0.81	1.01	1.44	1.79	0.80	0.46	0.42	0	7.03
1936	0	0	0.38	1.14	1.06	1.22	1.67	1.33	1.16	1.14	1.19	0.18	8.72
1937	0	0	0.78	1.67	1.87	1.32	1.66	1.45	1.26	0.61	0.51	0.13	9.84
1938	0	0	0.76	1.35	1.48	1.66	1.55	1.66	1.32	1.43	0.79	0	10.45
Maximum	0.47	0.50	2.44	1.74	2.38	1.98	2.07	2.17	1.96	1.84	1.32	1.36	11.88
Minimum	0	0	0	0.23	0.72	0.25	0	0	0	0	0	0	2.94
Mean	0.08	0.05	0.60	1.03	1.47	1.43	1.56	1.38	1.00	0.82	0.64	0.25	*3.69

* Sum of Mean Months.

*10.31

Direct Diversions By The Colorado and Kansas (Fort Bent) Canal.
1912 to 1938

From Arkansas River. Values in 1,000 Acre-Feet.		Headrate Location: S. 6, T. 23 S., R. 46 W.												Source of Information: See Introduction	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	Oct.	Seasonal.
1912	0	0	0	0.05	2.11	4.11	2.05	1.32	1.27	1.57	1.70	0.35	12.78	14.89	
1913	0	0	1.03	1.52	1.23	2.69	2.54	0.58	0.49	1.64	1.50	0.27	10.76	13.56	
1914	0	0	0	1.43	2.97	4.04	4.53	3.92	1.80	2.12	2.20	0.43	20.51	23.44	
1915	0	0.02	0.05	2.01	3.31	3.37	3.42	4.22	3.07	2.65	2.12	0	22.55	24.74	
1916	0	0.26	1.65	1.72	2.33	2.72	2.35	3.43	1.85	2.03	1.13	0.63	16.48	20.15	
1917	0	0.14	1.46	1.62	2.11	4.33	4.25	2.04	2.40	1.61	1.63	0.39	18.36	21.98	
1918	0	0	0.76	2.04	1.68	3.03	3.18	1.80	1.48	1.40	0.62	0	14.61	15.99	
1919	0	0	0	0	1.35	2.72	2.13	1.72	1.38	1.72	0.21	0	11.02	11.23	
1920	0	0	0.50	1.09	2.61	3.15	3.09	1.64	0.71	0.87	0.67	0.02	13.16	14.35	
1921	0	0	0.57	2.09	2.51	2.51	1.63	2.05	1.38	1.65	1.06	0.25	13.82	15.80	
1922	0	0	0	1.06	2.30	3.41	3.05	2.59	0.72	1.49	1.50	0.55	14.62	16.97	
1923	0.57	0.30	1.34	1.37	1.85	1.15	0.85	0.65	1.05	0.50	0.19	0	7.42	9.82	
1924	0	0	0	0.09	2.20	3.76	2.40	1.86	1.01	3.25	4.00	0.12	14.57	18.76	
1925	0	0.19	1.73	1.12	2.27	2.46	2.38	1.93	1.85	2.06	0.36	0	14.57	16.90	
1926	0	0.13	1.51	1.97	2.19	1.98	2.43	1.80	0.61	1.55	1.23	0.46	12.53	15.86	
1927	0	0.40	1.16	1.61	1.72	3.49	1.60	1.17	1.63	1.77	1.66	0.27	12.99	16.48	
1928	0	0.09	1.26	1.68	1.72	1.06	3.16	2.30	1.77	1.72	0.22	0	13.41	14.98	
1929	0	0	0.84	1.68	2.09	2.72	3.24	2.37	2.16	1.42	0.06	0	15.83	16.73	

Direct Diversions By The Colorado and Kansas (Fort Bent) Canal.

1912 to 1933

(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
													Oct.	Seasonal.
1930	0	0.16	1.44	1.68	1.99	2.84	2.43	3.92	1.61	0.50	0	0	15.02	16.62
1931	0	0	0	1.15	2.22	4.13	0.76	0.36	0.67	0.73	1.00	0.11	2.02	9.13
1932	0	0.67	1.18	1.27	1.77	1.90	2.39	2.37	0.95	1.38	1.38	0.39	12.03	15.65
1933	0	0	1.47	1.35	2.24	4.70	3.31	2.17	1.44	1.66	1.34	0.83	16.87	20.56
1934	0.06	0.14	1.04	1.56	1.17	0.94	1.33	0.28	1.14	1.03	1.41	1.04	7.45	11.14
1935	1.19	1.25	0.83	0.07	2.01	3.85	3.58	2.07	1.99	1.39	1.57	0.49	14.96	20.29
1936	0	0	1.15	0.41	2.39	0.97	2.63	1.66	1.62	1.44	1.37	0.56	11.18	14.26
1937	0.12	0	1.64	1.68	1.37	3.94	1.82	1.08	3.26	1.01	1.32	0.68	14.66	18.42
1938	0.26	1.07	1.62	1.61	2.03	2.46	2.63	2.02	1.81	1.76	0.66	0.46	14.37	18.44
Maximum	1.19	1.25	1.78	2.09	3.31	4.70	4.53	4.22	3.26	3.25	4.00	1.04	22.55	24.74
Minimum	0	0	0	0	1.17	0.94	0.76	0.28	0.49	0.50	0	0	6.92	9.13
Mean	0.08	0.18	0.66	1.30	2.08	2.85	2.58	1.99	1.53	1.55	1.19	0.32	*13.83	*16.31

* Sum of Mean Months.

Direct Diversions By The Keese Canal.
1912 to 1938

From Arkansas River
Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S.6, T.23S., R.48W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal
1912	0	0	0	0	0.71	0.40	0.62	0.56	0.56	0.77	0.71	0.12	3.62	4.45
1913	0	0	0.04	0.64	0.68	0.50	0.59	0.52	0.59	0.48	0.51	0.04	4.00	4.59
1914	0	0	0	0.11	0	0.21	0.38	0.54	0.40	0.56	0.62	0.16	2.20	2.98
1915	0	0	0	0	0.18	0.44	0.74	0.12	0.39	0.66	0.63	0.04	2.53	3.20
1916	0	0	0.19	0.13	0.70	0.68	0.81	0.55	0.02	0.38	0.28	0.18	3.27	3.92
1917	0	0	0.01	0.50	0.65	0.81	0.83	0.77	0.22	0	0	0.09	3.78	3.63
1918	0	0	0.07	0.68	0.52	0.61	0.89	0.85	0.78	0.39	0	0	4.72	4.79
1919	0	0	0	0	0.09	0.64	0.43	0.05	0	0	0	0	1.21	1.21
1920	0	0	0	0	0.73	0.70	0.83	0.80	0.73	0.68	0.34	0	4.47	4.51
1921	0	0	0	0.25	0.80	0.10	0	0	0.12	0.74	0.39	0.02	2.01	2.42
1922	0	0	0	0.03	0.54	0.89	0.72	0.58	0.74	0.76	0.52	0.15	4.26	4.93
1923	0	0	0.28	0.85	0.56	0.34	0.35	0.07	**0	0	0	0	2.17	2.45
1924	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	0	0	0	0	0.10	0.35	0.55	0.24	0.24	0.71	0.10	0	2.19	2.29

Direct Diversions By The Keesee Canal.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.,-	
													Oct.	Seasonal.
1930	0	0.01	0.63	0.74	0.69	0.70	0.57	0.61	0.58	0.02	0	0	3.88	4.52
1931	0	0	0	0.40	0.66	0.66	0.81	0.71	0.70	0.48	0.21	0	4.42	4.63
1932	0	0	0.04	0.71	0.77	0.37	0.63	0.79	0.76	0.58	0	0	4.61	4.65
1933	0	0	0.54	0.65	0.21	0.79	0.66	0.46	0.54	0.66	0.09	0.12	3.97	4.72
1934	0	0	0.42	0.84	0.37	0.30	0.69	0.73	0.50	0.63	0	0	5.06	5.48
1935	0	0.29	0.88	0.30	0.54	0.65	0.93	0.90	0.85	0.63	0.50	0.03	5.30	7.00
1936	0	0	0.54	0.81	0.32	0.28	0.83	0.44	0.70	0.85	0.59	0.06	4.23	5.42
1937	0	0	0.48	0.76	0.27	0.61	0.82	0.73	0.42	0.69	0.38	0.08	4.95	5.89
1938	0	0.17	0.86	0.74	0.59	0.34	0.61	0.84	0.68	0.79	0.36	0	4.59	5.98
Maximum	0	0.29	0.83	0.85	0.67	0.72	0.93	0.90	0.85	0.85	0.71	0.18	5.30	7.00
Minimum	0	0	0	0	0	**0	0	0	0	0	0	0	0	0
Mean	0	0.02	0.18	0.36	0.43	0.44	0.53	0.44	0.39	0.42	0.23	0.04	*3.01	*3.48

* Sum of Mean Months,

**Headgate washed out in 1923.

****Diversion By The Amity Canal.
1912 to 1932**

From Arkansas River.

Value in 1,000 Acre-Feet.

Headgate Location: S. 36, T. 22S., R. 43E.

**Source of Information:
See Introduction.**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1912													
Direct	0	0	1.01	7.43	10.13	21.63	15.29	3.24	8.39	5.13	9.25	3.28	79.24
Reservoir	No Report												92.73
Total	0	0	1.01	7.43	10.13	21.63	18.29	3.24	8.39	5.13	9.25	3.28	79.24
1913													
Direct	0	0	3.88	2.80	1.92	17.52	5.65	0.37	0.04	4.20	8.30	6.92	35.50
Reservoir	No Report												54.60
Total	0	0	3.88	2.80	1.92	17.52	8.65	0.37	0.04	4.20	8.30	6.92	35.50
1914													
Direct	5.32	8.88	9.65	12.33	15.61	15.40	14.52	5.58	3.39	7.75	7.45	5.18	77.58
Reservoir	0	0	0	0	0	0	0	5.45	9.69	0	0	0	15.14
Total	5.32	8.88	9.65	12.33	15.61	15.40	14.52	14.03	13.08	7.75	7.45	5.18	92.72
1915													
Direct	0	5.07	5.75	14.21	8.44	9.46	14.13	16.02	6.37	13.67	11.22	3.20	82.30
Reservoir	0	0	0	0	0	3.71	2.26	0	2.02	0	0	0	8.05
Total	0	5.07	5.75	14.21	8.44	13.17	16.39	16.02	8.45	13.67	11.22	3.20	90.35
1916													
Direct	0.69	1.82	4.56	8.48	14.02	13.64	14.28	11.48	4.42	7.15	6.00	1.72	73.47
Reservoir	0	0	0	2.48	7.89	3.22	8.68	4.33	3.68	2.74	6	0	33.02
Total	0.69	1.82	4.56	10.96	21.91	16.86	22.96	15.81	8.10	9.89	6.00	1.72	106.49
													121.28

****Divisions By The Amity Canal.**
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1917													
Direct	0.85	4.20	1.83	0.68	12.72	19.46	20.70	11.42	6.17	6.56	10.80	5.48	77.71 100.87
Reservoir	0	0	0	5.92	2.43	1.47	1.81	4.61	0	0	0	0	15.24 15.24
Total	0.85	4.20	1.83	6.60	15.15	20.93	22.51	16.03	6.17	6.56	10.80	5.48	93.95 117.11
1918													
Direct	1.94	0	5.52	9.31	2.46	17.59	14.00	2.51	7.32	4.86	5.52	2.00	53.55 76.53
Reservoir	0	0	0	0	7.11	5.18	5.10	6.34	0	0	0	0	23.73 23.73
Total	1.94	0	5.52	9.31	9.57	22.77	19.10	9.15	7.32	4.86	5.52	2.00	82.58 100.56
1919													
Direct	0	0	0	0	9.56	13.94	13.79	7.49	7.47	0.36	0.41	0	52.61 53.02
Reservoir	0	0	0	0	4.80	3.58	6.56	5.53	4.23	0	0	0	24.70 24.70
Total	0	0	0	0	14.36	17.52	20.35	13.02	11.70	0.36	0.41	0	77.31 77.72
1920													
Direct	0	1.37	2.17	3.10	11.71	19.71	15.79	7.15	7.84	9.88	1.23	0	75.18 79.25
Reservoir	0	0	0	0.18	3.62	0	4.07	0	0.19	1.85	0	0	9.91 9.91
Total	0	1.37	2.17	3.28	15.33	19.71	19.86	7.15	8.03	11.73	1.23	0	85.09 89.36
1921													
Direct	0	0	0	5.26	16.31	5.00	5.06	3.26	4.33	9.05	10.18	2.23	42.27 60.58
Reservoir	0	0	0	3.57	1.74	1.24	14.29	0.67	14.68	2.29	0	0	38.78 38.78
Total	0	0	0	9.13	18.05	6.24	19.35	3.93	19.01	11.34	10.18	2.23	87.05 99.46

****Diversions By The Amity Canal.**
1912 to 1938
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1922														
Direct	2.54	1.61	6.51	8.50	7.39	15.78	13.57	7.77	0.64	0.83	9.87	8.18	54.48	83.19
Reservoir	0	0	0	0	1.27	6.51	1.05	1.17	2.43	3.84	0.77	0	16.27	17.04
Total	2.54	1.61	6.51	8.50	8.66	22.29	14.62	8.94	3.07	4.67	10.64	8.18	70.75	100.23
1923														
Direct	6.43	6.67	3.35	0.80	10.53	21.64	24.55	6.97	14.46	6.03	4.46	1.66	84.93	107.55
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6.43	6.67	3.35	0.80	10.53	21.64	24.55	6.97	14.46	6.03	4.46	1.66	84.93	107.55
1924														
Direct	4.48	5.30	3.74	10.56	13.83	17.88	13.83	2.41	1.15	2.53	5.58	3.23	67.19	89.52
Reservoir	0	0	0	0	2.37	0	12.05	20.06	6.04	5.03	0.42	0	45.55	45.97
Total	4.48	5.30	3.74	10.56	21.20	17.88	25.88	22.47	7.19	7.56	6.00	3.23	112.74	135.49
1925														
Direct	1.27	4.01	3.31	0.50	6.12	9.92	18.69	9.01	5.95	10.26	6.94	5.28	60.45	81.26
Reservoir	0	0	0	0	13.50	8.92	1.91	3.24	1.99	0	0	0	29.56	29.56
Total	1.27	4.01	3.31	0.50	19.62	18.84	20.60	12.25	7.94	10.26	6.94	5.28	90.01	110.82
1926														
Direct	1.15	3.62	4.60	18.65	18.86	16.50	14.38	3.67	0.41	0.34	8.17	4.27	70.81	92.62
Reservoir	0	0	0	0	0	0	0	9.91	0.83	0	0	0	10.74	10.74
Total	1.15	3.62	4.60	18.65	18.86	16.50	14.38	13.58	1.24	0.34	8.17	4.27	81.55	103.36

****Diversions By The Amity Canal.**
1912 to 1936
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1927.</u>													
Direct	2.35	3.68	3.11	2.44	6.57	19.51	16.96	9.22	9.66	17.85	16.11	3.04	82.21
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.35	3.68	3.11	2.44	6.57	19.51	16.96	9.22	9.66	17.85	16.11	3.04	82.21
<u>1928.</u>													
Direct	2.22	4.31	2.60	2.07	15.35	14.95	22.77	10.30	1.23	3.40	11.00	0.50	70.07
Reservoir	0	0	0	0	0	0	0	3.94	7.75	1.10	0	0	12.79
Total	2.22	4.31	2.60	2.07	15.35	14.95	22.77	14.24	8.98	4.50	11.00	0.50	82.86
<u>1929.</u>													
Direct	0.50	0.50	3.15	0.86	5.98	19.26	17.61	19.46	13.98	16.37	4.90	2.99	93.52
Reservoir	0	0	0	0	1.87	1.47	7.25	0.58	0	0	0	0	11.17
Total	0.50	0.50	3.15	0.86	7.85	20.73	24.86	20.04	13.98	16.37	4.90	2.99	104.69
<u>1930.</u>													
Direct	1.43	1.29	1.93	2.00	9.55	19.17	9.73	19.27	8.64	7.03	5.29	0.81	75.39
Reservoir	0	0	0	1.53	4.19	4.68	12.07	0	0	0	0	0	22.47
Total	1.43	1.29	1.93	3.53	13.74	23.85	21.80	19.27	8.64	7.03	5.29	0.81	97.86
<u>1931.</u>													
Direct	0.81	4.06	10.90	4.12	16.36	11.11	1.44	1.25	0.67	0.34	1.03	2.89	35.29
Reservoir	0	0	0	0	0	3.26	11.45	1.67	0.10	0	0	0	16.48
Total	0.81	4.06	10.90	4.12	16.36	14.37	12.89	2.92	0.77	0.34	1.03	2.89	51.77

****Diversions By The Amity Canal.
1912 to 1933
(Continued)**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1922													
Direct	1.64	3.67	2.21	0.62	5.11	18.22	13.47	10.45	0.75	0.58	3.34	1.42	49.20
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.64	3.67	2.21	0.62	5.11	18.22	13.47	10.45	0.75	0.58	3.34	1.42	49.20
1923													
Direct	2.78	2.18	0.33	0.91	16.90	21.61	14.96	13.06	8.33	0.25	3.21	10.02	76.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2.78	2.18	0.33	0.91	16.90	21.61	14.96	13.06	8.33	0.25	3.21	10.02	76.02
1924													
Direct	7.72	6.53	2.59	0.37	7.08	2.17	2.62	0.05	3.87	0	0	0	16.35
Reservoir	0	0	0	0	0	0.19	0	0	0	0	0	0	19
Total	7.72	6.53	2.59	0.37	7.08	2.36	2.62	0.05	3.87	0	0	0	16.54
1925													
Direct	1.58	0.07	0.03	0	12.47	25.68	18.12	7.66	9.34	4.75	6.43	4.38	78.02
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.58	0.07	0.03	0	12.47	25.68	18.12	7.66	9.34	4.75	6.43	4.38	78.02
1926													
Direct	1.40	1.07	0.48	0.40	18.34	8.05	11.07	23.18	5.68	16.68	10.21	6.30	83.40
Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1.40	1.07	0.48	0.40	18.34	8.05	11.07	23.18	5.68	16.68	10.21	6.30	83.40

****Divisions By The Amity Canal.**

1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
<u>1937</u>													
Direct	3.98	4.78	1.75	2.41	10.08	20.00	6.44	1.90	11.21	0.33	1.55	5.79	52.37
Reservoir	0	0	0	0	0	0	0.42	0	0	0	0	0	0.42
Total	3.98	4.78	1.75	2.41	10.08	20.00	6.86	1.90	11.21	0.33	1.55	5.79	52.79
													70.64
<u>1938</u>													
Direct	6.78	4.59	0.22	1.35	17.30	20.60	19.46	5.45	17.06	3.30	9.70	7.31	59.52
Reservoir	0	0	0	0	0	0	0.27	0	0	0.18	0	0	0.45
Total	6.78	4.59	0.22	1.35	17.30	20.60	19.73	5.45	17.06	3.48	9.70	7.31	59.97
													112.57
<u>Maximum</u>	7.72	8.88	10.90	18.65	21.91	25.68	25.88	23.18	19.01	17.85	16.11	10.02	112.74
													135.49
<u>Minimum</u>	0	0	0	0	1.92	2.36	2.62	0.05	0.04	0	0.13	0	16.35
													33.55
<u>Mean</u>	2.14	2.97	3.09	4.97	13.13	17.73	17.34	10.94	8.26	6.73	6.76	3.65	*79.10
													*97.71

* Sum of Mean Months.

Includes water from Amity Drain, 1922-1938

Reservoir water from Great Plains System.

Maxima, Minima and Means computed using 1912 and 1913 totals, though reservoir water is not reported for these years.

****Direct Diversions By The Lamar Canal.**
1912 to 1936

Source of Information:
See Introduction.

From Arkansas River.
Values in 1,000 Acre-Feet.

Headgate Location: S.29, T.22S., R.46W.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	0	0	0	1.65	5.23	6.02	5.45	3.83	2.21	3.31	3.31	0.77	27.75	31.83
1913	0	0	0.38	3.89	2.65	5.50	3.78	1.49	1.03	5.14	3.99	0.48	23.51	28.36
1914	0	0	4.50	5.34	1.07	4.95	7.85	5.68	4.30	3.60	1.78	0	32.79	39.07
1915	0	1.67	1.19	2.73	2.62	3.42	4.23	3.11	2.55	4.01	5.50	0.58	22.72	29.66
1916	0	0.81	2.35	3.09	5.05	6.08	5.47	5.07	3.79	3.16	1.70	1.07	31.71	37.67
1917	0.13	0.69	4.09	3.42	4.45	5.34	8.05	5.15	3.12	2.39	1.19	0.55	31.28	32.53
1918	0	0.12	4.33	4.90	3.17	7.51	6.03	3.83	3.41	2.50	1.02	1.49	31.35	38.31
1919	0	0	0	1.93	3.83	5.19	5.37	3.24	7.12	3.31	0.81	0	26.59	27.40
1920	0	2.18	3.74	3.52	4.37	4.58	5.31	3.01	4.42	2.48	2.40	2.84	27.75	36.91
1921	0.84	2.04	2.54	3.56	4.80	1.79	6.18	6.50	4.55	5.14	2.30	0.19	32.52	40.43
1922	0	0	1.83	3.75	3.92	6.35	6.33	4.37	1.05	1.69	3.24	1.95	27.46	34.52
1923	2.37	1.65	4.35	1.86	3.50	5.44	5.03	3.23	5.00	1.04	1.36	1.90	25.10	36.73
1924	0.42	1.36	0.42	2.35	7.18	7.27	5.97	2.02	1.14	3.34	3.16	0.86	29.27	36.09
1925	0	0.18	3.11	1.21	3.96	4.80	5.30	4.06	3.64	3.17	1.83	1.44	26.14	32.70
1926	0.15	0.72	5.23	4.21	5.85	5.09	6.16	2.97	0.83	1.16	3.56	1.38	26.30	37.37
1927	0.83	0.85	2.91	3.15	3.95	6.85	4.43	2.88	5.45	4.23	4.79	1.12	30.94	41.47
1928	0	2.28	3.21	3.86	4.49	3.93	6.45	4.53	2.15	3.38	1.43	0.24	28.79	35.95
1929	0	0	2.85	3.50	3.65	6.13	6.10	5.81	5.22	2.67	1.12	0.55	33.08	37.60

****Direct Diversions By The Lamar Canal.
1912 to 1938
(Continued)**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.Seasonal.
1930	0.09	0	3.31	3.74	5.33	5.57	4.99	6.41	4.49	3.41	2.40	0.63	33.94 40.37
1931	0	0.71	2.17	4.97	5.74	4.78	1.72	1.45	1.22	0.96	1.11	0.56	20.34 25.39
1932	0.16	1.06	2.15	1.80	3.29	5.72	5.69	5.62	1.93	1.91	2.21	0.93	25.96 32.47
1933	0.49	0.62	1.56	1.94	5.63	7.72	6.14	5.29	3.16	1.89	1.81	1.56	31.83 32.02
1934	0.54	0.54	2.39	1.26	4.15	1.89	1.63	1.03	3.34	1.03	0.99	1.96	14.38 20.80
1935	0.66	1.14	1.21	0.94	5.17	6.30	5.94	4.01	4.39	1.79	1.92	1.67	29.04 35.64
1936	1.61	0	0.69	1.40	6.58	4.63	5.09	7.53	4.43	2.36	1.52	2.63	32.07 35.52
1937	0	0.12	2.94	3.26	5.05	6.56	3.96	1.13	4.97	1.36	1.01	1.23	26.29 31.64
1938	0.96	1.64	1.30	2.00	4.73	5.05	5.69	4.27	4.84	3.54	1.53	2.14	30.17 35.40
Maximum	2.37	2.28	5.23	5.34	7.18	7.78	8.05	7.53	5.45	5.14	4.79	2.64	33.94 41.47
Minimum	0	0	0	0.94	1.07	1.79	1.63	1.03	0.83	0.96	0.61	0	14.38 20.80
Mean	0.39	0.79	2.43	2.94	4.43	5.37	5.35	4.01	3.32	2.74	2.11	1.14	*23.16 *35.02
* Sum of Mean Months.													
**Includes diversions by "South Lateral", 1915 to 1930.													

MONTHLY CANAL DIVERSION TABLES

Arkansas River Basin

Arkansas River

WATER DISTRICT NO. 67

Lamar to Holly, Colorado.

1912 to 1938

Direct Diversions By The Hyde Ditch.

1912 to 1933

From Arkansas River.

Values in 1,000 Acre-Feet.

Headgate Location: S.23/22, T.22S., R.46W.

Source of Information:
See Introduction.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
													Oct.	Seasonal.
1912	0	0	0	0	0.34	0.73	0.58	0.50	0.28	0.04	0	0	2.65	2.65
1913	0	0	0	0.38	0.33	0.70	0.58	0.10	0	0	0	0	2.09	2.09
1914	0	0	0	0.23	0	0.02	0.30	0.38	0.02	0	0.01	0	0.95	0.95
1915	0	0	0	0	0	0.24	0	0	0.15	0.05	0	0	0.47	0.47
1916	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0.13
1917	0	0	0	0.17	0.36	0.18	0.13	0.28	0.10	0	0	0	1.22	1.22
1918	0	0	0	0	0	0.53	0.29	0	0.01	0	0	0	0.53	0.53
1919	0	0	0	0	0	0	0	0.21	0.07	0	0	0	0.28	0.28
1920	0	0	0	0	0.66	0.46	0.45	0	0.02	0	0	0	1.59	1.59
1921	0	0	0	0.06	0.26	0	0	0	0	0	0.04	0	0.32	0.36
1922	0.37	0.34	0.37	0.36	0.31	0.50	0.45	0.32	0.27	0.31	0.39	0	2.55	3.92
1923	0	T 0	0.13	0.27	0.42	0.37	0.32	0.26	0.20	0.06	0.04	0.05	1.90	2.12
1924	0.06	0.09	0.16	0.29	0.57	0.48	0.49	0.43	0.29	0.36	0.18	0.02	2.91	3.42
1925	0	0	0.36	0.36	0.41	0.23	0.27	0.29	0.37	0.28	0.05	0.03	2.21	2.65
1926	0	0	T 0.4	0.41	0.59	0.32	0.51	0.40	0.30	0.32	0.45	0.14	2.85	3.44
1927	0	0	0.25	0.24	0.24	0.26	0.31	0.17	0.29	0.27	0.17	0.07	1.78	2.27
1928	0	0.06	0.23	0.36	0.39	0.48	0.44	0.44	0.36	0.48	0.29	0	2.95	3.53
1929	0	0	0.22	0.25	0.18	2.07	0.59	0.33	0.19	0.19	0.11	0	3.80	4.13

Direct Diversions By The Hyde Ditch.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
													Oct.	Seasonal.
1930	0	0	0.27	0.45	0.53	1.00	0.86	0.46	0.42	0.34	0.04	0	3.89	4.20
1931	0	0	0	0.18	0.52	1.01	0.72	0.39	0.23	0.45	0.53	0	3.56	4.09
1932	0	0.11	0.63	0.21	0.24	0.33	0.32	0.25	0.21	0.19	0.18	0.06	1.75	2.73
1933	0	0	0.02	0.22	0.31	0.38	0.21	0.31	0.15	0.13	0.17	0.23	1.71	2.13
1934	0.19	0.17	0.29	0.20	0.32	0.19	0.17	0.13	0.12	0.17	0.22	0.27	1.30	2.44
1935	0.17	0.18	0.20	0.18	0.33	0.34	0.27	0.14	0.13	0.19	0.15	0.19	1.58	2.47
1936	0.19	0.21	0.17	0.14	0.37	0.38	0.34	0.36	0.18	0.19	0.22	0.31	1.96	3.06
1937	0.26	0.23	0.32	0.22	0.32	0.42	0.13	0.02	0.18	0.06	0.10	0.17	1.35	2.43
1938	0.13	0.10	0.14	0.07	0.12	0.24	0.11	0.09	0.14	0.03	0.15	0.14	0.85	1.51
Maximum	0.37	0.34	0.63	0.48	0.66	2.07	0.86	0.50	0.42	0.48	0.53	0.31	3.89	4.20
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18
Mean	0.05	0.06	0.14	0.20	0.30	0.44	0.33	0.23	0.17	0.16	0.13	0.06	*1.83	*2.27

* Sum of Mean Months.

T- Less than 5 acre-feet.

Direct Diversions By The Manvil (Manvel) Canal.
1912 to 1938

From Arkansas River. Values in 1,000 Acre-Feet.		Headgate Location: S. 32, T. 22, S., R. 45W.										Source of Information: See Introduction.	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct. Seasonal.
1912	No Record												
1913	0	0	0	0	0	0.52	0.35	0	0	0.47	0.73	0.08	1.34 2.15
1914	0	0	0.88	0.02	0	0.08	0.42	0.38	0.04	0	0	0	0.94 1.82
1915	0	0	0	0.36	0.30	0.31	0.90	0.82	0.35	1.40	0.27	0	4.44 4.71
1916	0	0	0.58	1.02	1.05	0.95	0.34	0.51	1.02	0.37	0	0	5.26 5.84
1917	0	0	0.04	0.41	0.76	1.71	1.95	0.68	0.86	0.48	0.93	0.24	6.85 8.06
1918	0	0	0	0.56	0.74	1.32	1.64	0.73	1.26	1.20	0.90	0.06	7.45 8.41
1919	0	0	0	0	1.26	2.37	2.10	1.74	1.19	0.35	0.04	0	9.01 9.05
1920	0	0	0	1.26	2.11	1.88	2.22	0.94	2.01	1.78	0.35	0	12.20 12.55
1921	0	0	1.04	2.64	2.54	0.29	0	0	0	0	0	0	5.47 6.51
1922	0	0	0	0	0	0	0.92	1.01	0.73	0.79	0.21	0	3.45 3.66
1923	0	0	0.50	0.93	1.01	0.61	0.48	0.16	0	0	0	0	3.19 3.69
1924	0	0	0	0	0	0	0.64	0.83	0.52	0.37	0	0	2.36 2.36
1925	0	0	0.32	0.79	0.62	0.47	0.47	0.50	0.33	0.08	0.02	0	3.26 3.60
1926	0	0	0.67	0.96	0.63	0.35	0.40	0.18	0	0.22	0.42	0	2.74 3.83
1927	0	0	0.40	0.38	0.02	0.26	0.36	0.23	0.35	0.32	0.66	0.17	1.92 3.15
1928	0	0	0.08	0.56	0.40	0.06	0.57	0.83	0.05	0.87	0.26	0	3.64 3.98
1929	0	0	0	0.21	0.11	0.38	0.18	0.18	0.08	0.07	0	0	1.21 1.21

Direct Discharge By The Manvil (Manvel) Canal.
1912 to 1938
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1930	0	0.04	0.50	0.14	0.78	0.08	0.10	1.34	0.11	0	0	0	2.15
1931	0	0	0	0.49	0.39	0.53	0	0	0	0.21	0.96	0.62	2.12
1932	0	0.08	0.71	0.25	0.44	0.93	0.48	0.68	0	0.43	0.01	0	3.21
1933	0	0	0.73	0.15	1.23	1.36	1.94	1.94	1.63	1.40	1.18	0	9.71
1934	0	0	0.45	0.52	0.46	0.24	0.33	0	0.59	0.02	0	0.51	2.23
1935	0.38	0	0.20	0.05	0.81	1.91	2.42	0.55	1.13	0.60	0.13	0	7.47
1936	0	0	0.31	0.12	1.04	0.29	0.28	0.80	0.11	0.67	0.13	0	3.31
1937	0	0	0.30	0.20	0	1.23	0.20	0.10	1.10	0.41	0.62	0.25	3.24
1938	0	0.24	0.43	0.24	0.42	0.87	0.60	1.12	1.28	1.04	0.23	0	5.57
Maximum	0.38	0.24	1.04	2.64	2.54	2.37	2.42	1.94	2.01	1.78	1.18	0.62	12.20
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.01	0.01	0.31	0.48	0.67	0.73	0.78	0.62	0.57	0.52	0.31	0.07	*4.37
* Sum of Mean Months.													*5.08
Maxima, Minima and Means for period, 1913-1938.													

Direct Diversions By The X-Y Irrigating Ditch Company's Ditch.
1912 to 1938

From Arkansas River.												Source of Information:		
Values in 1,000 Acre-Feet.												See Introduction.		
Headgate Location: S. 36, T. 22S., R. 45W.														
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1912	0	0	0	0	0.31	0.93	1.36	1.08	0.45	0	0	0	4.18	4.18
1913	0	0	0	0.87	0.81	1.28	1.31	0.88	0.06	0.84	0.79	0.12	6.05	6.96
1914	0	0	0.05	1.41	0	0	0.85	2.75	1.51	1.39	1.50	0.45	7.91	9.91
1915	0	0	0	0.35	0	0.57	0.67	0.57	0.28	0.94	0.09	0	3.38	3.47
1916	0	0	0.12	1.35	1.32	0.79	0.84	1.13	0.86	1.78	0.30	0	8.07	8.49
1917	0	0	0	0.82	2.52	2.14	2.34	2.38	2.44	1.19	0.52	0.60	14.33	15.25
1918	0	0	0	1.55	1.51	2.13	1.96	1.06	1.94	1.55	1.38	0.09	11.70	13.17
1919	0	0	0	0	0	1.38	0.77	1.08	0.75	0.98	0.34	0	4.96	5.30
1920	0	0	0	0	0.28	0.62	0.88	0.03	0.75	0.50	0	0	3.06	3.06
1921	0	0	0	0.58	1.44	0.74	1.50	1.31	0.90	0.63	0	0	7.10	7.10
1922	0	0	0	0	0.06	1.58	1.27	0.17	0.64	0.83	0.46	0	4.55	5.01
1923	0	0	0	1.04	0.48	0.31	0.21	0.29	0.09	0	0	0	2.42	2.42
1924	0	0	0	0	1.18	1.69	1.92	1.21	0.95	1.19	0.89	0.03	8.14	9.06
1925	0	0	1.45	0.99	1.23	1.07	0.58	0.61	0.23	0.27	0.17	0	4.98	6.60
1926	0	0.63	1.48	1.20	1.83	1.33	1.12	0.79	0.66	1.10	1.67	0.33	8.03	12.14
1927	0	0	0.70	1.93	0.41	2.18	0.31	0	0.82	0.73	0.95	0.23	6.38	8.26
1928	0	0.10	0.87	2.07	0.69	0.31	1.09	1.17	0.81	1.50	0.50	0	7.64	9.11
1929	0	0	0.40	1.89	1.44	0.67	0.53	1.02	1.29	1.63	0.15	0	8.47	9.02

Source of Information:
See Introduction.

Direct Diversions By The X-Y Irrigating Ditch Company's Ditch.
1912 to 1938
 (Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-	
													Oct.	Seasonal.
1930	0	0	0.99	1.90	1.48	1.15	1.25	1.65	1.37	0.19	0	0	8.99	9.98
1931	0	0	0	0.20	1.55	1.05	0.25	0.07	0.06	1.02	0.71	0.14	4.20	5.05
1932	0	0	0.51	0.85	1.05	1.05	0.39	0.96	0.34	1.17	1.43	0.26	5.81	8.01
1933	0	0	0	0.64	1.41	1.99	1.60	1.68	0.50	1.52	1.07	0.54	9.34	10.95
1934	0.46	0.23	1.03	1.13	0.95	0.72	0.38	0	0.57	0.61	1.20	0.75	4.36	8.03
1935	0.45	1.13	0.21	0.21	0.97	1.51	0.77	0.67	0.57	0.20	0.47	0.26	4.90	7.42
1936	0.44	0.03	0	0	1.30	0	0.24	1.03	0	0	0	0	2.57	3.04
1937	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	0	0	0.16	0.28	0.75	1.13	0.43	0	0.16	0	0	0	2.75	2.91
Maximum	0.46	1.13	1.48	2.07	2.52	2.18	2.34	2.88	2.44	1.78	1.67	0.75	14.33	15.25
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0.05	0.08	0.30	0.79	0.92	1.05	0.92	0.89	0.70	0.81	0.53	0.14	*6.08	*7.18

* Sum of Mean Months.

Direct Diversions By The Graham Ditch.
1912 to 1938

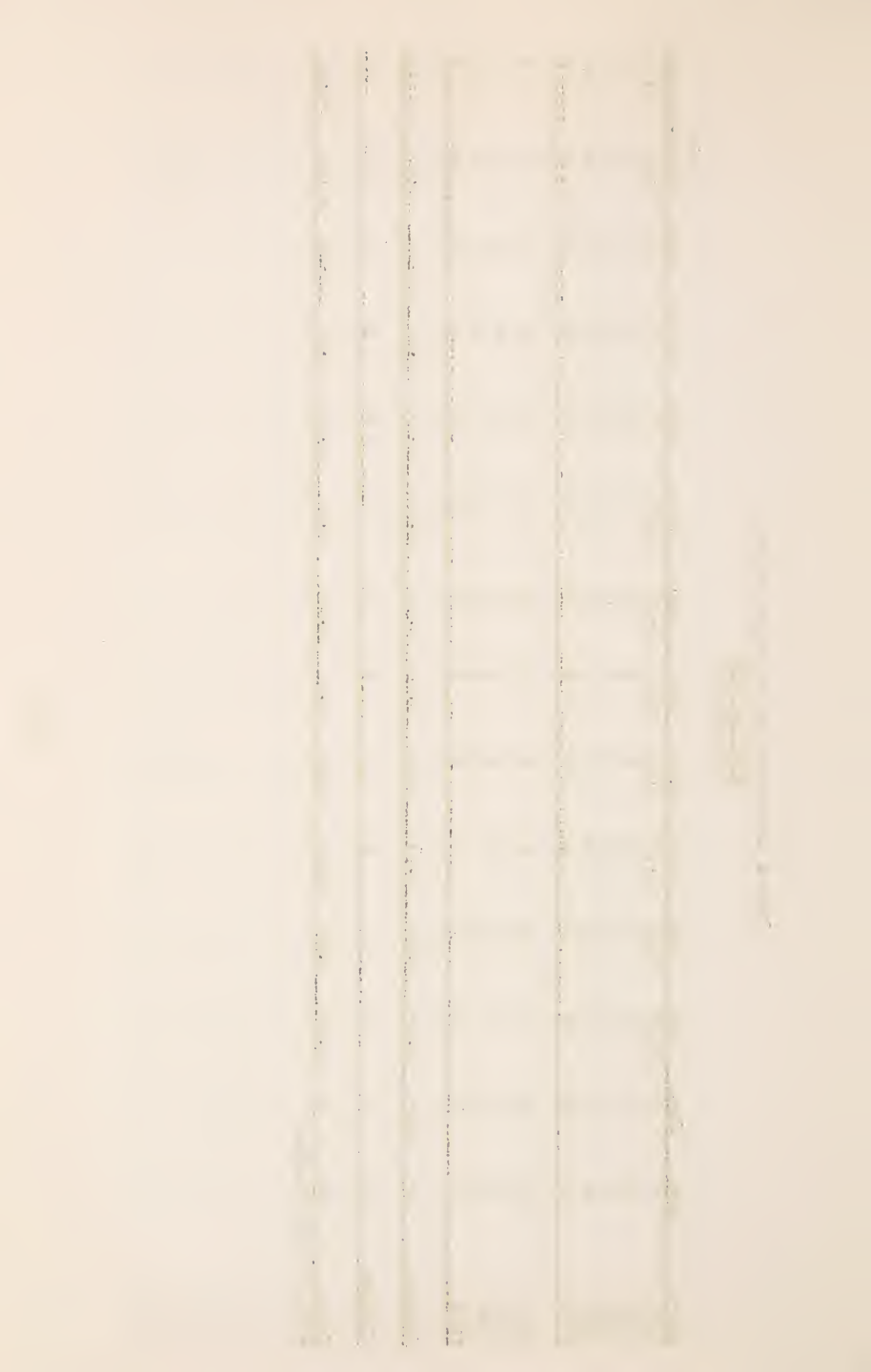
From Arkansas River.												Source of Information:	
Values in 1,000 Acre-Feet.												See Introduction.	
Headgate Location: S.25, T.22S., R.45W.													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1912	0	0	0	0.84	0.54	0.71	1.09	1.31	0.53	0.20	0.48	0.19	3.22
1913	0	0	0	0	0	0.93	0.46	0	0.03	0	0	0	1.44
1914	0	0	0	0	0	0	0	0	0	0	0	0	0
1915	0	0	0	0.06	0	0	0	0	0	0	0	0	0.06
1916	0	0	0	0	0	0	0	0	0	0	0	0	0
1917	0	0	0	0	0	0	0	0	0	0	0	0	0
1918	0	0	0	0	0.55	0.82	0.98	0.44	0.12	0.25	0	0	3.16
1919	0	0	0	0	0	0.56	1.12	1.03	0.50	0.95	0.21	0	4.16
1920	0	0	0	0	0.54	0.34	0.92	0.03	0.85	0.47	0	0	3.15
1921	0	0	0	0.16	0.67	0.06	0	0	0	0	0	0	0.89
1922	0	0	0	0	0.10	0.64	0.53	0.14	0.31	0.19	0.01	0	1.91
1923	0	0	0	0.16	0.09	0.07	0.06	0.16	0	0	0	0	0.54
1924	0	0	0	0	0.24	0.12	0.31	0.10	0.16	0.23	0.22	0.01	1.16
1925	0	0	0.10	0.13	0.14	0.11	0.14	0.07	0.03	0.02	0	0	0.64
1926	0	0.05	0.25	0.13	0.20	0.14	0.11	0.05	0	0	0.14	0	0.63
1927	0	0	0	0	0	0.11	0.04	0	0.01	0	0.27	0	0.16
1928	0	0	0.10	0.20	0.09	0.03	0.05	0.05	0.04	0	0	0	0.46
1929	0	0	0	0.13	0.33	0.02	0	0.09	0.23	0.86	0.14	0	1.66

Direct Diversions By The Graham Ditch.

1912 to 1936
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	
1930	0	0	0.07	0.13	0.22	0.11	0.01	0.25	0.09	0	0	0	0.31	0.35
1931	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0	0.05	0.25	0.34	0.67	0.93	1.12	1.31	0.85	0.95	0.48	0.15	5.22	5.55
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0.02	0.07	0.14	0.13	0.22	0.14	0.11	0.12	0.05	0.01	*0.36	*1.06

* Sum of 12 months.



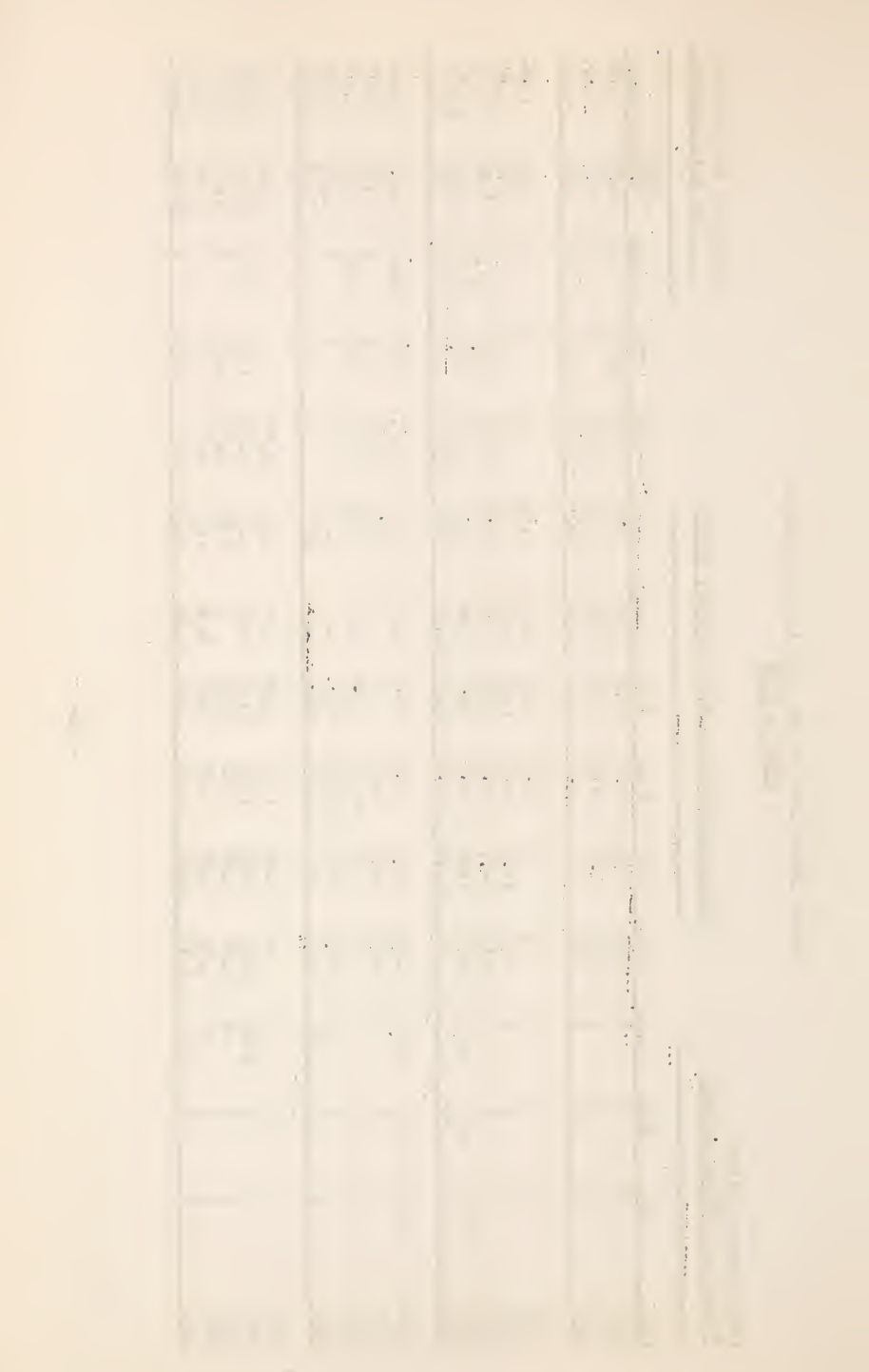
Direct Diversions By The Buffalo Creek Ditch.
1912 to 1938

From Arkansas River.
Values in 1,000 Acre-Feet.

Source of Information:
See Introduction.

Headgate Location: S. 31, T. 22S., R. 43W.

Year	Apr.-											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1912	0	0	0	0.23	1.43	0.48	1.00	0.32	0.40	1.11	0.51	0
1913	0	0	0	0.68	1.17	0.52	0.86	1.14	1.48	0.14	0	0
1914	0	0	0	1.02	0	0.27	1.26	1.16	1.24	0.03	0	0
1915	0	0	0	0	0	0.43	0.34	0.16	0.39	0	0	0
1916	0	0	0	1.16	1.50	0.72	1.47	0.95	0	0	0	0
1917	0	0	0	1.13	1.17	0.93	1.63	0.78	0.82	0.93	0.90	1.13
1918	0.82	0.77	0.93	0.88	1.46	1.49	1.84	1.00	1.42	1.18	1.20	0.71
1919	0	0	0	0	0.33	2.11	2.12	1.43	1.26	1.27	0.97	0.90
1920	0.93	0.87	0.93	0.92	1.00	1.31	1.48	1.55	1.43	1.03	0.63	0.20
1921	0	0	0	0.18	0.95	0.09	0	0	0.45	1.11	0	0
1922	0	0	0	0	0	0.31	0.51	0.17	0.52	0.37	0.41	0.10
1923	0	0	0	0.23	0.25	0.05	0.31	0.26	0.33	0	0	0
1924	0	0	0.06	0.06	0.53	0.45	0.62	0.73	0.79	0	0	0
1925	0	0	0	0	0.60	1.67	2.06	2.55	1.54	0.73	0	0
1926	0	0	0.08	0.99	1.93	1.99	1.70	2.32	1.52	1.34	1.20	0.29
1927	0	0	0	0.84	2.03	1.44	1.55	0	0.82	0.60	0.02	0
1928	0	0	0	1.08	1.64	1.42	3.09	2.30	1.73	0.78	0.26	0
1929	0	0	0.66	1.33	2.00	1.38	2.26	1.09	1.19	0.77	0.46	0



Direct Diversions By The Buffalo Creek Ditch.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.--	
1930	0	0.02	1.19	1.22	1.11	2.16	2.13	1.26	1.05	0.26	0	0	9.19	10.40
1931	0	0	0.60	1.06	1.71	0.85	1.69	1.59	1.70	1.41	0.26	0	10.01	10.57
1932	0	0	1.08	1.50	1.85	1.21	2.00	2.58	1.61	0.99	0.85	0.32	11.74	13.99
1933	0	0	1.13	1.53	0.84	2.80	2.18	1.34	1.27	1.38	0	0	11.34	12.52
1934	0.19	0.66	1.00	1.52	1.87	1.89	1.66	1.43	2.22	1.37	0.05	0	11.96	13.86
1935	0	0.07	1.18	1.50	0.79	1.43	1.27	2.35	0.83	1.75	2.06	0.38	9.32	13.61
1936	0	0	0.14	1.39	1.73	1.29	3.22	1.53	2.51	1.55	1.12	0.18	13.22	14.66
1937	0	0	0	1.57	2.66	1.23	2.29	1.85	1.71	1.52	1.09	0.85	12.83	14.77
1938	0.85	0.75	0.91	1.15	2.03	1.63	2.71	1.90	2.27	1.58	1.00	0.82	13.27	17.66
Maximum	0.93	0.87	1.19	1.57	2.66	2.80	3.22	2.58	2.51	1.75	2.06	1.13	13.27	17.66
Minimum	0	0	0	0	0	0.05	0	0	0	0	0	0	1.23	1.23
Mean	0.10	0.12	0.37	0.86	1.23	1.17	1.60	1.24	1.21	0.86	0.48	0.22	*8.17	*9.46
* Sum of Mean Months.														

Direct Diversions By The Sisson-Stubbs Ditch.
1912 to 1936

From Arkansas River. Values in Acre-Feet.		Headgate Location: S. 14, T. 23 S., R. 43 E.												Source of Information: See Introduction.	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.- Oct.-Seasonal.		
1912	0	0	0	0.36	0.23	0.15	0.37	0.55	0.25	0	0.24	0.10	1.91	2.25	
1913	0	0	0	0.50	0.19	0.51	0.20	0.07	0.02	0.15	0.26	0.08	1.64	1.98	
1914	0	0	0.48	0.60	0.01	0.13	0.26	0.34	0.06	0.22	0.49	0.13	1.37	1.02	
1915	0	0.02	0	0.26	0	0.14	0.24	0.48	0	0	0	0	1.12	1.14	
1916	0	0	0.24	0.18	0	0.21	0.16	0.02	0	0	0	0	0.57	0.81	
1917	0	0	1.27	0.83	1.20	1.23	0.90	0.11	0.17	0.83	0.23	0	5.32	6.82	
1918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1920	0	0	0	0	0	0	0.79	0.78	0.31	0.18	0	0	2.56	2.56	
1921	0	0	0	0	0.79	0.09	0	0	0	0	0	0	0.88	0.88	
1922	0	0	0	0	0.02	0.43	0.46	0.14	0.02	0.09	0.09	0	1.21	1.30	
1923	0	0	0	0.10	0.10	0.24	0.30	0.13	0.10	0.03	0	0	1.00	1.00	
1924	0	0	0	0.10	0.12	0.30	0.30	0.15	0.15	0.08	0	0	1.20	1.20	
1925	0	0	0.29	1.18	0.60	0.30	0.53	0.23	0.50	0.06	0	0	3.90	4.19	
1926	0	0	1.20	0.42	0.80	0.85	0.95	1.10	0.69	0.93	0.67	0.24	5.74	7.55	
1927	0	0	0	0.82	0.93	0.90	0.42	0	0.20	0.33	0	0	3.65	3.65	
1928	0	0	0.42	0.58	0.33	0	0.06	0.93	0.57	0.12	0	0	2.59	3.01	
1929	0	0	0	0	0	0	0.60	0.43	0	0	0	0	1.03	1.03	

Direct Diversions By The Sisson-Stubbs Ditch.
1912 to 1938
(Continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Apr.-- Oct. Seasonal.
1920	0	0	0	0.02	0.56	0.40	0.52	0.14	0.06	0	0	0	1.90
1931	0	0	0	0	0	0.59	0.53	0.42	0.36	0.37	0.07	0	2.27
1932	0	0	0	0	0.11	0.75	0.09	0.27	0.32	0.31	0.30	0.18	2.34
1933	0	0	0	0	0	0	0.02	0.55	0.06	0	0	0	2.33
1934	0	0	0	0.13	0.35	0.23	0.17	0.01	0.09	0	0	0	0.69
													1.03
1935	0	0	0	0	0.07	0.07	0.40	0.33	0.20	0.14	0.10	0	1.21
1936	0	0	0	0	0.08	0.35	0.24	0.22	0.12	0.13	0.12	0.10	1.14
1937	0	0	0	0	0.11	0.19	0	0	0	0	0	0	0.30
1938	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	0	0.02	1.27	1.13	1.20	1.23	0.95	1.10	0.31	0.93	0.67	0.24	5.32
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0.14	0.23	0.24	0.33	0.32	0.28	0.18	0.15	0.10	0.03	*1.73
* Sum of Mean Months.													*2.00

****Storage Content on The First of Each Month, Lake Henry.**
1922-1936

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1922	N.R.	7934	N.R.	N.R.	N.R.	6550	3600	N.R.	N.R.	2075	N.R.	N.R.
1923	6517	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	8011	N.R.	N.R.	N.R.
1924	N.R.	N.R.	N.R.	N.R.	N.R.	9032	8395	N.R.	5920	N.R.	3344	3342
1925	3342	6517	6517	6500	6000	5000	N.R.	1500	1500	1500	1982	6027
1926	6517	6624	6419	6125	6419	3490	N.R.	N.R.	4038	3253	2185	N.R.
1927	6517	6517	N.R.	N.R.	5537	2486	3727	4939	5537	2862	2260	1905
1928	5978	6517	6223	6174	4617	4305	N.R.	N.R.	N.R.	N.R.	2711	2711
1929	6369	6369	6776	6624	5307	5279	6105	5169	5831	2636	N.R.	5825
1930	6468	6321	7425	7158	6419	5733	5307	4083	2862	2222	2674	2260
1931	3134	6173	6517	5753	5736	3961	3408	627	343	1100	522	0
1932	2217	6209	5912	5736	5321	1858	1787	1121	758	758	N.R.	0
1933	3424	6208	6327	N.R.	6290	4477	6209	5223	3511	3186	2630	1984
1934	1780	1661	1849	1759	1633	1022	0	0	0	0	0	0
1935	0	0	0	0	0	0	2865	3147	3727	2630	2056	1693
1936	1662	2704	5177	4850	3346	5139	4897	6019	4850	3510	3147	2709
1937	4617	5916	6011	5814	4617	3597	3597	2868	2343	2127	1662	1391
1938	1206	1536	1474	1330	1123	1180	4291	4117	3593	4990	4161	4291

** Source of Information: Monthly Reservoir Report, Division Engineer Irrigation Division No.2.

N.R. No Report. See "Miscellaneous Measurements".
 Miscellaneous Measurements in Acres-Feet: 1922 Feb. 27-7720; Mar. 20-8557; Apr. 17-8141; Apr. 29-8557 with increase due to local rains; May 8-8453; May 15-7330; May 22-7130; June 5-7074; June 13-7131; June 19-6740; June 26-5632; July 3-4370; Aug. 22-3820; Oct. 21-2075; Nov. 15-2030; Nov. 18-1932; Nov. 28-3108. 1923 Jan. 2-6517; Jan. 8-6223; Jan. 9-6419; Mar. 10-6125; Apr. 21-5605; May 28-2253; June 8-3095; July 3-5929; July 18-6223; July 20-6740; July 27-8118; Aug. 22-8225; Sept. 20-5635; Nov. 3-5077. 1924 Jan. 26-8627; May 23-7264; June 9-9206; June 13-8916; July 2-8395; July 3-8164; July 19-6517; July 26-5355; Aug. 3-5445; Aug. 11-7051; Aug. 16-5920; Sept. 6-5169. (Aug. 3, 1923-8546.)

****Storage Content on the First Of Each Month, Lake Meridith.
1922-1938**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1922	23,163	N.R	N.R	24,690	25,162	N.R	12,407	N.R	N.R	N.R	N.R	N.R
1923	N.R	7,878	N.R	N.R	N.R	10,265	N.R	N.R	N.R	N.R	N.R	N.R
1924	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R	11,934	N.R	9,085	9,085
1925	10,560	16,383	17,300	16,600	13,925	12,500	1,926	13,000	1,177	1,100	0	7,031
1926	5,682	21,627	20,488	20,037	20,034	10,671	15,825	5,266	3,382	2,211	1,926	1,926
1927	1,926	13,175	12,487	13,175	11,610	5,582	4,496	7,781	13,282	10,595	11,980	12,449
1928	11,213	17,605	19,043	18,877	17,265	24,672	37,670	19,935	7,475	6,899	5,634	4,923
1929	12,549	25,297	28,339	29,484	27,690	22,905	10,138	214	5,581	7,451	6,899	12,549
1930	22,428	26,028	27,547	26,729	25,300	23,859	7,451	2,856	2,737	2,498	4,217	5,136
1931	5,680	20,573	26,288	26,833	25,897	18,453	12,862	8,892	2,140	0	0	0
1932	0	2,617	4,591	3,573	2,498	0	0	0	0	0	0	0
1933	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	0	0	0	0	0	0
1936	0	0	0	0	0	0	0	0	0	0	0	0
1937	0	0	2,856	0	0	0	0	0	0	0	0	0
1938	0	0	0	0	0	0	0	0	0	0	0	0

**** Source of Information: Monthly Reservoir Reports, Division Engineer, Irrigation Division No. 2, To State Engineer.**

N.R. No. Report. See "Miscellaneous Measurements".

Miscellaneous Measurements in Acre-Feet: 1922-
 June 6-23,057; June 10-22,383; June 25-16,834; July 3-12,390; Aug. 4-7625; Aug 21-6746; Sept 25-no more water available; Dec. 3-no more water available; Dec. 24-7878. 1923- Jan. 12 -8104; Feb. 17-11,395; Mar. 16-12,486; Apr. 10-11,852; Apr. 27-10,770; May 5-10,265; May 18-8,897; June 23-18,521; June 28-20,212. seepage causing loss; July 17-17,134; July 19-full; Sept. 8-25,162; Sept. 23-24,962; Dec. 27-27,412.
 1924- Jan. 26-27,036; Mar. 13-27,786; Mar.-17-28,050; Mar. 21-27,928; May 24-22,288; June 7-26,316; Aug. 3-13,672; Aug.12-13,727; Aug. 15-12,073; Sept.16-9,736; Oct. 10-9,010; Dec. 2-9,085. (July 5, 1925-19,919.)

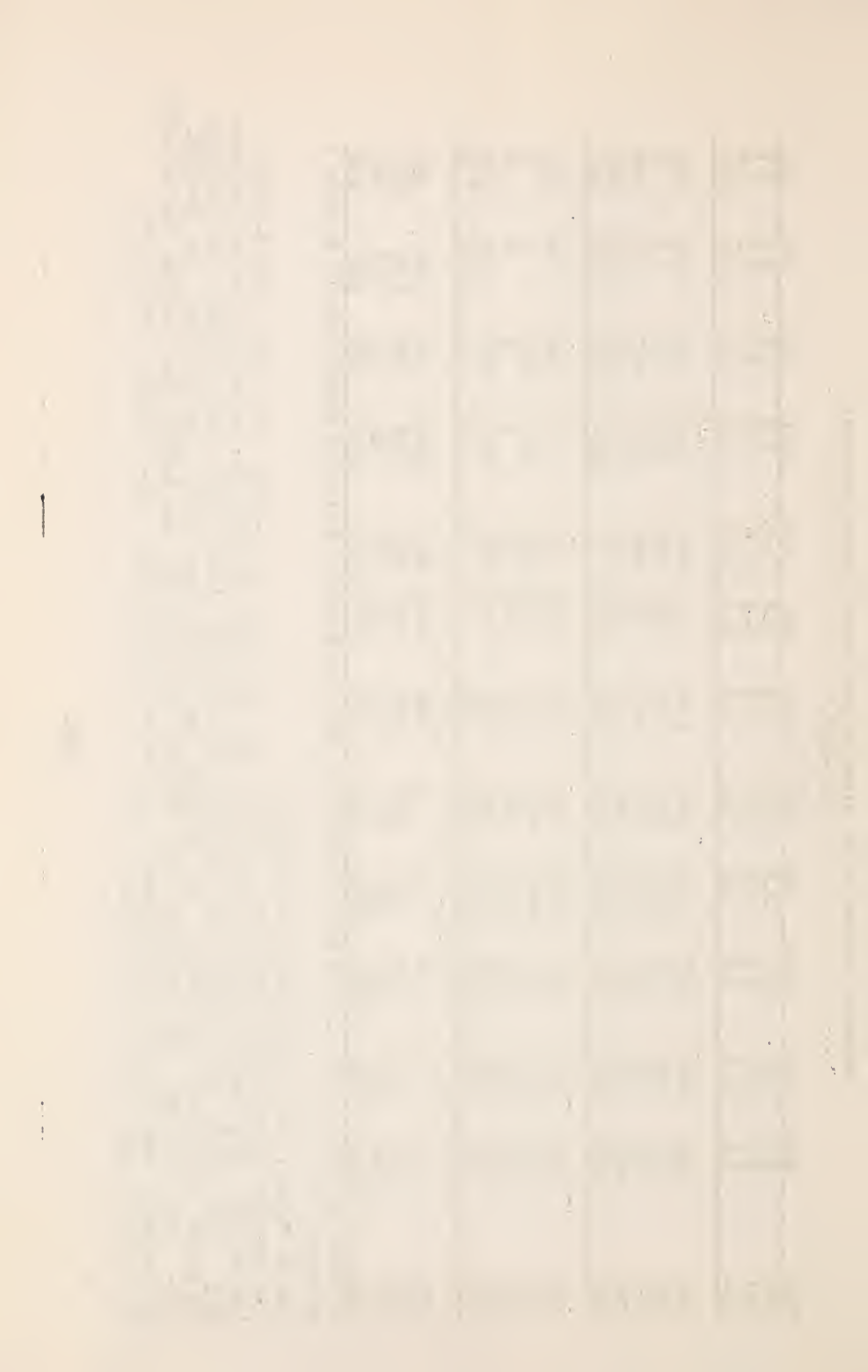
****Storage Content On the First Of Each Month Holbrook Reservoir.
1922-1938**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1922	N.R.	6930	6710	N.R.	6273	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1923	N.R.	2965	N.R.	N.R.	3065	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1924	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	4426	N.R.	N.R.	2145	2145
1925	2145	4840	5978	5613	5400	4500	775	4825	3155	1274	2145	3497
1926	3375	4266	4153	4054	3974	3081	4702	3582	1465	N.R.	0	0
1927	2739	4499	4367	4385	3314	1079	211	1487	5176	4067	3362	3680
1928	5008	5663	5545	4804	4485	5317	5545	4200	2428	1709	1531	1186
1929	4166	4232	5175	5144	4723	3934	1003	311	2805	2576	2478	4200
1930	5179	5976	5282	5008	4818	4133	1833	217	62	344	740	1868
1931	3447	4305	4317	4244	4049	3972	2173	1660	1419	1132	0	3
1932	3643	4342	4342	4088	3905	657	626	350	0	0	0	0
1933	1873	4087	4246	3600	3218	4139	4956	2835	1956	2159	1798	2409
1934	176	408	1280	1315	1207	202	0	0	0	0	0	0
1935	0	0	0	0	0	368	4492	4823	1722	532	584	350
1936	1601	4293	4495	4492	3130	5290	5014	3351	2498	2284	1551	1561
1937	2948	3670	3792	3670	3615	1565	855	664	602	695	217	203
1938	1933	2780	2906	2748	1336	665	3475	4340	2525	2864	1022	N.R.

** Source of Information: Monthly Reservoir Reports, Division Engineer, Irrigation Division No. 2, To State Engineer.

M.R. No. Report. See "Miscellaneous Measurements".

Miscellaneous Measurements in Acre-Feet. 1922 Jan. 14-5, 542; Apr. 9-6, 073; May 7-6242; June 8-5, 410;
 July 6-4, 205; July 14-3, 697; Aug. 22-2, 432; Sept. 3-1, 463; Nov. 1-very little water available.
 1923 Jan. 4-3994; Feb. 14-3998; Mar. 3-4, 276; Mar. 24-4, 268; Apr. 5-4, 177; Apr. 23-4, 024; Apr. 29-3, 065;
 May 3-2562; May 7-2455; May 13-1761; May 17-1, 732; Aug. 13-full; Sept. 9-5457; Sept. 15-5399; Dec. 20-6, 048.
 1924 Feb. 13-5, 900; Feb. 23-5, 992; Apr. 6-6, 359; Apr. 19-6, 196; May 3-6118; May 13-6, 048; May 16-5, 294;
 May 24-5, 023; June 21-6, 105; July 12-5854; Aug. 2-4, 426; Aug. 9-3, 994; Aug. 16-3, 872; Oct. 29-2145;
 Nov 22-1, 203; Nov. 28-713; Dec. 2-2, 711.



**Storage Contents on The First Of Each Month, Dye Lake.

1922-1938

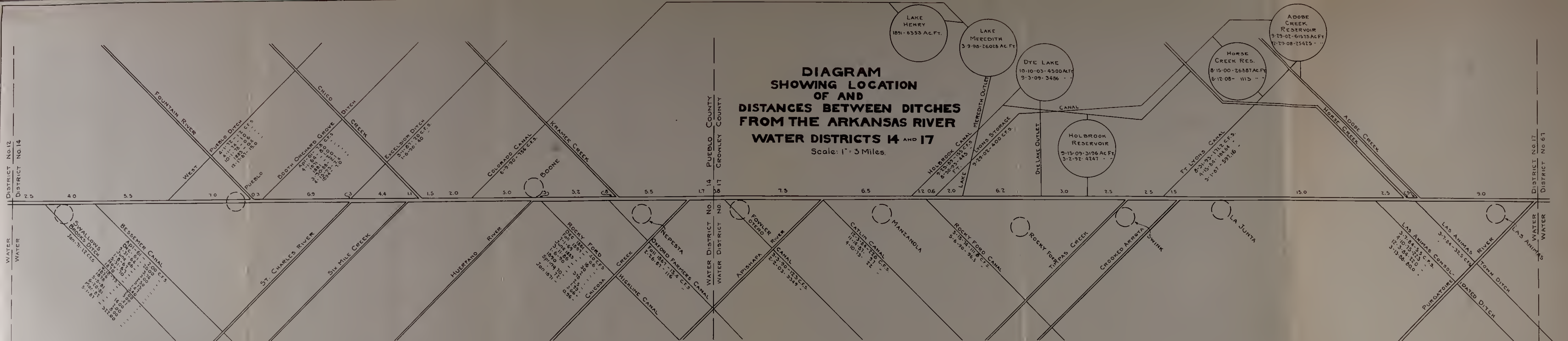
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1922	5077	N.R.	5486	N.R.	5389	2714	970	N.R.	*	N.R.	N.R.	*
1923		*	*	*	*	N.R.	N.R.	N.R.	N.R.	N.R.	4556	N.R.
1924	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	1053	N.R.	N.R.	*	N.R.
1925	N.R.	1177	2863	2729	2660	98	N.R.	4580	1441	995	995	1007
1926	2832	3936	3855	3315	3763	2221	4802	1263	0	0	0	0
1927	0	0	0	0	0	0	0	3517	3482	306	306	0
1928	0	0	0	0	0	4827	4698	1997	1219	938	650	240
1929	2955	4466	4787	4782	3588	0	0	0	4076	2480	2518	4474
1930	4929	4860	4802	3594	3324	1650	970	0	2437	2625	2417	2466
1931	4570	4825	4821	4782	4659	3867	2452	1953	1798	1346	0	0
1932	951	2118	2009	1939	1851	0	817	1371	0	0	0	0
1933	0	0	0	0	0	2937	3433	1531	1501	1472	1944	2743
1934	2683	2749	2120	1688	1630	0	0	0	0	0	0	0
1935	0	0	0	0	0	2326	3761	2179	864	1296	1266	776
1936	841	2441	4139	3156	1560	3331	1885	2362	2081	2031	1426	1424
1937	1243	1548	2683	2648	1189	842	0	0	0	321	86	64
1938	64	N.R.	42	0	0	0	2134	2287	1219	2296	1633	1633

* No water available.

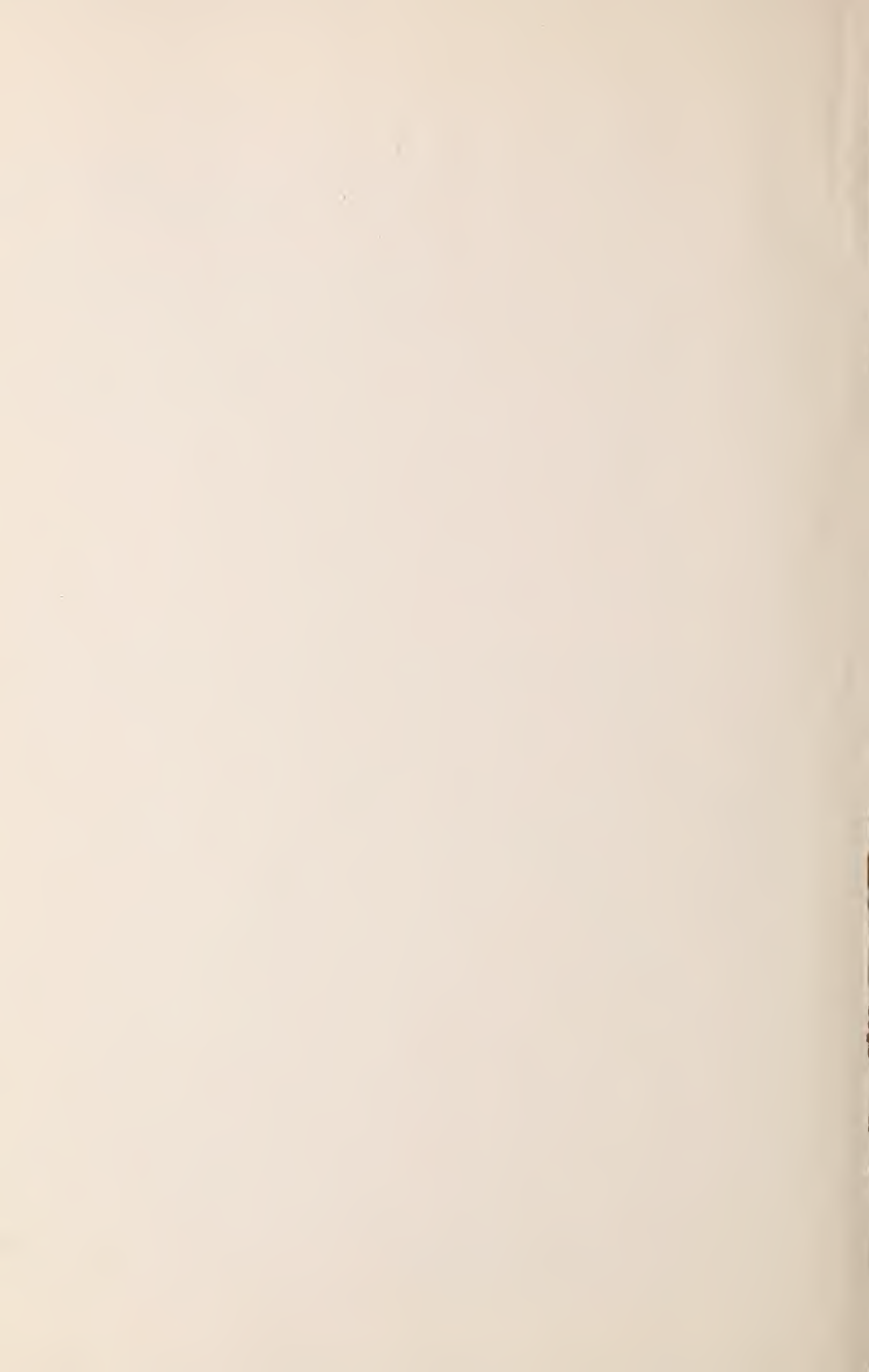
**Source of Information: Monthly Reservoir Reports, Division Engineer, Irrigation Division No. 2, To State Engineer.

N. R. No. Report. See "Miscellaneous Measurements."

Miscellaneous Measurements in Acre-Feet: 1922- Apr. 9-5, 428; May 7-5, 370; May 11-5, 319 May 15-4, 260
 May 22-3, 578; May 22-2, 213; June 8-2, 214; June 24-2, 714; July 2-1, 177; July 7-2, 002; July 14-1, 207; July 28-718;
 Aug. 24-593, no more water available; Dec. 3 - no more water available. 1921- Jan. 1, Mar. 17, Apr. 29 and
 May 28 - no water available; July 19 - full; Aug. 13-5, 621; Sept. 9-3, 965; Sept. 15-3, 931; 1924-
 Feb. 13-4, 215, seepage causing loss; Mar. 12-5, 135; Apr. 6-5, 293; Apr. 19-5, 254; May 3-5, 195; May 12-5, 195;
 May 21-2, 461; May 24-2, 270; May 31-3, 811; June 21-5459; July 3-4, 436; July 12-3, 314; Aug. 2-1, 053;
 Aug. 9-984; Aug. 14-761. (Aug. 19, 1922-1, 177)



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